Poor gal. She's not a bad eater, she's just not getting the nutrients she needs to put on weight. And this thin condition eats up your profits.

RX: Nutrena®
PASTURE PLUS™ with LTM™

Now you can rid your herd of Skinny Minnies by feeding them Nutrena® PASTURE PLUS™ with LTM™. It's the complete mineral supplement that gives all your cows everything they need except grass and water. Whatever your herd's mineral and protein requirements, there are PASTURE PLUS minerals made especially for their needs and your profit margin.

One Ton Free!
Buy One, Get One Free

Now here's a weighty offer. For a limited time, participating Nutrena dealers will give you one Free Bag for every bag of PASTURE PLUS you buy. Up to one free ton per cattle operation! Offer expires May 31, 1985.

We've got the right prescription for your feeding requirements.

Nutrena, Feed Division
4014 40th Street, Tampa, Florida 33601
(813) 626-5171

Nutrena Feeds Salutes Dealer of the Month
Osceola Farm & Ranch, St. Cloud, Florida
Report from FCA headquarters:

FCA'S ANNUAL LEGISLATIVE committee session was held in Tallahassee on April 3. Members were given a briefing by Pat McCaffrey, governmental affairs director, who covered a number of proposed bills involving agriculture. Decisions were made on what position FCA should take in several instances. Seventeen committee members were on hand for the annual meeting which was chaired by FCA President Joe Marlin Hilliard. McCaffrey mentioned that over 1000 bills had been proposed thus far in both houses. During the two-day period, contacts were made with key legislators in addition to a special meeting on the growth management plan. Most of the committee members participated in the annual Legislative Appreciation Day held at the Leon County Fairgrounds the evening of April 3.

PRE-REGISTRATION AND HOTEL reservation forms have been dispatched to all FCA members for the annual convention at Fort Lauderdale, June 19-21. As a reminder: Send the pre-registration form to FCA headquarters in Kissimmee; send the hotel form to Marriott's Harbor Beach Resort, Ft. Lauderdale, FL 33316. All reservations must be accompanied by a deposit equivalent to one night's stay, a major credit card with expiration date shown, or guarantee of payment on company letterhead authorized by an officer or director of the organization.

THE THIRD ANNUAL TRADE SHOW will be held in conjunction with the convention in Fort Lauderdale. Space this year is limited to 52 booths. On Wednesday evening, June 19, the show will open in the early evening. Cash bars will be available in the trade show area. Chairman for this year's event is allied member Tommy Martin. Be sure and plan on visiting the trade show during the convention. Open Wednesday evening and Thursday afternoon.

FCA PRESIDENT JOE MARLIN HILLIARD, Derrill S. McAteer, first vice president, and Jim Flanagan, executive administrator, were on hand for the spring board meeting of NCA's board of directors in Washington, D.C., during March. Based on a member survey, economic analyses and deliberations by the executive committee and board, 17 key issues were identified as having top priority in the association's work on public issues. NCA will take the lead in work on all of the top 17 issues. In the case of other issues, the association generally will assist other groups in accomplishing the objectives. It was pointed out many of the priority issues can have a direct and quick impact on profits. Other issues are longer term. NCA President Jo Ann Smith pointed out the priority-setting process will involve the executive committee and board,

FCA AND THE FBC SPONSORED a Meat Retailers Short Course in cooperation with the University of Florida at the meats lab on April 11. Full coverage will be given the event in the June issue of The Cattleman.

A NEW EXHIBIT IS IN use by the Florida Beef Council. Viewed for the first time at Legislative Appreciation Day in Tallahassee, it brought many favorable comments. Your quarters do good work!
Whether you're operating on South Florida mucklands or middle Florida sandy soils, Old South Mills has a mineral program for you. Each of our various mineral programs is scientifically performance proven for your herd's maximum economic yield, no matter what time of year.

**Highest Quality Ingredients.**
By using the highest quality ingredients and rigid quality control, we can produce superior products at a reasonable cost. We use only phosphate and potassium products from International Minerals & Chemical Corporation in our mineral programs. This assures you of constant high quality mineral supplements.

**Fast, Dependable Service.**
And, in addition, we offer the technical support your mineral programs need for maximum economic yield.

**Call us for an evaluation.**
We can help gain maximum performance from your herd. For a scientific evaluation of your mineral program, contact Old South Mills, 540 Sebring Airport, Sebring, Florida 33870, or call 813-655-1335.

Member Florida Feed Association
Central American group asks for rates

Matagalpa, Nicaragua

I would like to obtain more information about the subscription rates for one or two years and surface mail, and air mail delivery.

Please accept my congratulations for this great magazine you are publishing.

At present we are running 1000 purebred Brahman cows and starting a new project of 100 Charolais cows. By now we have the 90 percent of the two herds on A.I. program.

Your magazine will keep us (up) on the news of the livestock industry, and will show us the progress of the Florida Cattlemen's Association.

Jorge Luis Rivera G.
Director

Research article provided by beef specialist

Gainesville

I have enclosed a summary of a molasses feeding research trial for the Animal Science Highlights column. We conducted the research last summer and a more detailed report will be available in the Beef Research Report... at the Beef Cattle Short-course.

W.E. Kunkle
Extension Beef Specialist

Through arrangements with the chairman of the animal science department at the University of Flori-

da, Dr. Roger West, our monthly Animal Science Highlights column will carry timely research items and other material to keep our readers up-to-date on the technical side of things.

Ocala firm gets recognition

Florida Promotions of Ocala recently received an "Addy" award for promotion work in the Ocala area during 1984. The award was presented at the 24th annual Addy Awards Ceremony, hosted by the Greater Ocala Advertising Federation, at the Ramada Inn Convention Center, Ocala.

The "Addy" is the "Oscar" of the advertising industry. It is presented for the finest advertising in each of many categories from logo design to motion pictures. The winning entries from local competition are submitted

Latest Statistics

Slaughter Under State Inspection, Head (AITC) . . .

Cattle Calves Swine
March 1985 2808 33 5202
March 1984 3728 62 6664

Brucellosis Testing (AITC) . . .

Tested Reactors Vaccinated
Calves Adults Calves Adults
Beef Cattle, March 1985 50,773 660 14,521 2711
Dairy Cattle, March 1985 22,540 74 2,707 3782
Swine, March 1985 136 3

Livestock Prices Per Hundred (USDA) . . .

Cattle Cows Strs. Hfrs. Calves Swine Chickens
Fla., Mar. 15, 1985 $52.70 $40.70 $62.10 $65.20 $43.00 $29.00
Fla., Feb. 15, 1985 51.20 40.70 61.80 62.60 45.30 30.00
U.S., Mar. 15, 1984 61.70 41.80 65.80 63.70 45.80 37.80
U.S., Mar. 15, 1985 57.20 41.40 60.90 66.00 43.60 30.10

Field Crop Prices Per Bushel and Ton (USDA) . . .

U.S., Mar. 15, 1985 $2.63 $72.50
U.S., Mar. 15, 1984 3.21 79.40
DUAL-GARD™ contains 9.4% Chlorpyrifos and 7.2% Permethrin... an insecticide combo ready to join forces against your tough fly problems.

Insecticides kill flies differently. Chlorpyrifos and Permethrin have never before been used in combination in the history of U.S. Animal Husbandry.

DUAL-GARD’s™ insecticides are synergized with Piperonyl Butoxide.

Synergists are not considered toxic or insecticidal to insects.

They are materials used with insecticides to enhance or synergize the activity of the insecticides.

From Fundamentals of Pesticides, by George W. Ware.

DUAL-GARD™ uses the Allflex® Brand Tagging System.

The Allflex Ear Tagging System is a worldwide leader in the animal identification field.

Dual-Gard™ is only one part of a total insect control program.

For a more detailed explanation, get in touch with your animal health dealer.
Admit it, you'd like to own one but wonder if you'd be able to pay for it.

But have you ever wondered if you're paying for a Harvestore® system and still don't have one? Paying for it with the high cost of protein... and storage losses... and sweat and strain... and poor results when you are forced to feed rain-damaged crops.

Maybe you're paying for a Harvestore® system without owning one. Find out. Start by filling out the coupon below and mailing it to us.

I'm ready. Please send me additional information about Harvestore® storage systems and feeding equipment.

To: Georgia-Florida Harvestore, Inc.
Tobacco Road, Attapulgus, GA 31715
Name ____________________________
Address __________________________
Town _______  County _____________
State ______ Zip ______ Phone ________
Area Code _______ Number _________

Georgia-Florida Harvestore, Inc.
Tobacco Road
Attapulgus, Georgia 31715
AC (912) 465-3987

Total Density Control
Control the size of the bale's center core and the density of the outer wrap to fit your operation and the crop's moisture content. The 1850 can produce bales 61" wide and up to 72" in diameter.

CONIBEAR EQUIPMENT COMPANY, INC.
P.O. Box 376 Lakeland, Florida 33802
7 Miles North on U.S. 98 Ph: 813/858-4414

CALPHOS PLUS, recently introduced by Sun Phosphate Company combines natural soft white phosphate with an enzyme growth regulator. Collaborating on the development were Wint Graf, right, and Dr. A.H.J. "Harry" Rajamannan.

to the fourth district, American Advertising Federation, which encompasses Florida and the Caribbean. Winners are sent on to vie for honors in national competition.

Florida Promotions is owned by O. Hinton Bradbury who also owns Bradbury Trophies, an affiliated company. Bradbury has produced most of the plaques for The Florida Cattleman and some of Florida's purebred breed organizations for many years. Also, the firm has produced the plaques awarded in the annual Livestock Publications Council competition for the past eight years.

The "Golden Idol Best-of-Show" award for the Ocala area competition was won by Laffey and Associates for Seminole Stores' 50th anniversary promotion.

Florida product changes fertilizing technology

New Calphos Plus, a combination of soft white phosphate and an enzyme growth regulator, represents an important step forward in fertilizing technology, says Wint Graf, general manager of Sun Phosphate Company in Dunnellon.

Calphos, introduced in 1937, is a natural organic colloidal clay composed of phosphorus, calcium and 17 trace elements. Since it is not a rock phosphate, no acid treatment is required. Calphos is entirely organic.

The Plus in Calphos Plus is Symbooster, an enzyme growth regulator produced by Agro-K of Fridley, Minnesota. Dr. A. H. J. (Harry) Rajamannan, president of Agro-K, collaborated with Graf in developing the new product.

Calphos Plus stimulates plant growth by extending chlorophyll activity, improving nutrient uptake, in
ANNUAL CONVENTION
FLORIDA CATTLEMEN'S ASSOCIATION
FORT LAUDERDALE—JUNE 19–21, 1985

*PRE-REGISTRATION REQUEST IF RECEIVED PRIOR TO JUNE 10

A packet will be made for your party containing badges and favors which you may pick up at the FCA Convention Registration Desk in the Foyer area of Marriott's Harbor Beach Resort.

Names of those attending: (First or Nickname for Badge): (Includes children over 12 years of age):

Mr. __________________________: Mrs. __________________________
Mr. __________________________: Mrs. __________________________
Mr. __________________________: Mrs. __________________________

Children: __________________________

Please pre-register the following children (12 years of age and younger):

Number of Adult Pre-Registrations _________ at $85 each = $________
Number of Children Pre-Registrations _________ at $55 each = $________
TOTAL ENCLOSED $________ Check#________

From: __________________________ Phone: AC________
City & State: __________________________ Zip ________

Registration fee is refundable in case it is necessary to cancel. If possible, please advise the FCA office by June 14 if cancellation is necessary. Admittance to individual functions can be purchased at the registration desk:
Sweetheart Luncheon—$25.00; Thursday Buffet Dinner—$40.00; Friday Banquet—$35.00.

PLEASE PRE-REGISTER, IF POSSIBLE. NOT ONLY WILL IT SAVE YOU MONEY, it will be a big help in preparing for the convention. Adult (over 12 years of age) pre-registration is $85 per person, child pre-registration is $55 and at convention it will be: Adults—$95 per person, children—$65 each.

Your pre-registration fee provides: Wednesday—Trade Show Activities (Cash Bar available); Thursday—Sweetheart Luncheon, Trade Show, Hospitality Hour, Auction, Buffet Dinner and Dance; Friday—Cash Bar—Banquet and Dance.

There are ______ people in our party who will be playing in the GOLF TOURNAMENT.
Their names and handicaps are:

________________________

There are ______ people in our party who will be playing in the TENNIS TOURNAMENT.
Their names are:

________________________

*This is NOT a hotel reservation. Mail the enclosed hotel reservation slip to Marriott's Harbor Beach Resort, Ft. Lauderdale, FL 33316 by May 30, 1985. DEPOSITS: All reservations must be accompanied by a deposit equivalent to one night's stay, a major credit card with expiration date shown, or guarantee of payment on company letterhead authorized by an officer or director of the organization.

MAIL THIS PRE-REGISTRATION FORM TO: FCA, P.O. Box 1929, Kissimmee, FL 32742-1929, by June 10, 1985.

Please make checks payable to: Florida Cattlemen's Association.

FOR OFFICE USE ONLY:
Number of Adult Pre-Registrants _________: Number Issued _________
Number of Child Pre-Registrants _________: Number Issued _________
Sugar Hill Farms
Two Breed Complete Dispersal
June 8, 1985
Allendale, South Carolina
Sale will be held on the farm located approximately 1½ miles north of Allendale just off U.S. Highway 301 on west side. Watch for sign.

Selling 100 head

Strong Polled Influence

Bulls: Clarendon Plantation 173 (one half brother to Mr. Bull). His get and service sell. He sells.
Sugar Hill 2538 Polled (Stuffed Shirt and Tarzan). His get and service sell. He sells.

Females: 60 cows with calves, bred and open heifers. A heavy concentration of Polled breeding, many polled calves. A young herd right in the prime of production mostly with early calves and rebred.

Write for your personal catalog:

Wilson Cattle Sales
2985 King Alfred Drive

Selling 85 Lots

Females: 27 Purebreds—15 cows with calves and rebred, 12 yearling heifers. 35 Three-Quarters—20 cows with calves and rebred, 15 yearling heifers. 9 Half Bloods with calves and rebred. 5 Simbrah bred and with calves. 4 Registered Brahman with calves.

Bulls: 2 Purebred Polled Performance Tested HERD SIRES. Their get and service sell—they sell. (Red Ball Mac Express, the top gaining bull at Clemson Test 1983, 205 day wt. 711, Adj. 365 day wt. 1379 lbs.) (Mr. Clean’s Cally P 254, 205 day wt. 830 lbs., 426 day wt. 1460 lbs.) 10 yearling Purebred and Three-Quarter bulls sell.

Increasing root mass, stimulating microbial activity and aiding flower and fruit set, according to Graf and Rajamannan.

They recommend Calphos Plus for pastureland, groves, orchards, truck gardens and field crops. Both Calphos and the growth regulator have undergone extensive field tests.

Sun Phosphate will continue to produce Calphos, now licensed for sale in 45 states and Canada. Granular Calphos was introduced five years ago to provide easier handling and mixing with other materials; it is the only product of its kind on the market, the company says.

Both Calphos and Calphos Plus are available in bulk or in 50 pound bags, shipped by either rail or truck from the mine and processing plant in Dunnellon. Sun Phosphate Company recently purchased the facilities from Thompson Sales Co., Inc., of Montgomery, Alabama.

Sun Phosphate Company is headquartered at 107 Palmetto Way, P.O. Box 369, Dunnellon, FL 32630.

1985 ABS beef lineup available in directory form

“At ABS we choose our sire lineup for the important characteristics that
TRAMISOL Cubes and Pellets give top worm control...with a lot less work.

When you feed TRAMISOL® levamisole Range Cubes or Pellets, you'll:

- Control all 9 major cattle worms without extra labor or chutes.
- Get the job done safely. TRAMISOL Cubes and Pellets are safe for cattle of any age...even bred cows.
- Get proven performance. Here are the results of calf performance tests...when cows were fed TRAMISOL Range Cubes 30-60 days before calving:

<table>
<thead>
<tr>
<th>Weight (lbs)</th>
<th>Weight Gain (lbs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>25</td>
<td>+21</td>
</tr>
<tr>
<td>50</td>
<td>+32</td>
</tr>
<tr>
<td>100</td>
<td>+41</td>
</tr>
</tbody>
</table>

In addition to these benefits, TRAMISOL is now more competitively priced than ever. Check your TRAMISOL supplier for details.
Pasture Aerator ®
“Let Your Root Bound Sod & Hay Fields Breathe”
Plan ahead—Plant Rye Grass fields in 2 passes

- We match your tractor horsepower.
- We build any size from 8' to 30’—any weight.
- Leaves ground smooth, not torn up as other choppers do, making driving behind them comfortable.
- Multi blades on graduating spiral.
- Full 6” penetration.
- Drive from pasture to pasture on highways with wheels down.

Marc Lawson
(Dealer Inquiries Welcome)
121 Marvin Gardens
Kissimmee, Florida 32743
305/846-4576
Custom work available

Increases yield 2 to 3 times.
- Stimulates hay fields but leaves smooth.
- Opens ground to allow fertilizer to seep in.
- Even pull behind tractor... “no jerking.”
- Tested with good results up to 10 mph, resulting in more acreage per day.

BEEF Sire Directory from ABS features 76 sires in full color photographs and highlights sires in 19 breeds.

FEED ALL THE FORAGE THAT YOU GROW
CUT YOUR FEED COSTS BY 20% AND MORE
WITH THE
AG BAG SEALED FEED STORAGE SYSTEM
“THE AFFORDABLE SYSTEM”
7000 W. 7 Rivers Drive
Crystal River, FL 32629
904-795-2025
For additional information contact:
AG BAG CORP OF FLORIDA

STALNAKER
FARM & RANCH SUPPLY, INC.
TAMPA, FLORIDA
Phone collect (813) 248-6238
P.O. Box 172
Tampa, Fla. 33601
Come see us at 33rd St. and East 7th Ave., Tampa
Largest inventory of Fencing for Farm & Ranch in Florida

FARM FENCING
BARBED WIRE
GAUCHO BARBED WIRE
POULTRY NETTING
FARM GATES — Galvanized steel, wire
GALVANIZED ROOFING 5-V-Crimp
FENCE POSTS — Steel
STAPLES

GATE HARDWARE
ELECTRIC FENCE SYSTEMS
AMERICAN POWER PULLS
HI LIFT JACKS
WELDED WIRE
HARDWARE CLOTH
NAILS — Bright or galvanized.

WE DELIVER

add value and productivity to your herd,” states Keith Vander Velde, beef programs manager.

“This year our 1985 Beef Sire Directory reflects this emphasis in the wide selection of bulls and breeds we offer. The 48-page, full-color catalog features 76 sires in 19 breeds. It highlights such great sires as ‘7777’, the Horned Hereford breed’s youngest Total Performance sire; Mr. Angus, the breed’s most popular bull for siring performance and show winners; and Doubletime, the Simmental sire unequalled in performance in the 1984 ASA Sire Summary,” Vander Velde says.

Also appearing in this catalog are some exciting new sires like Baldridge Oscar, the newest addition to ABS’ proven Angus sire lineup. As a top-ranked sire for weaning and yearling weight EPD, “Oscar” has created new excitement in the Angus breed. Another exciting young bull in the directory is Defender, a modern looking length and frame Angus with an impressive show-winning pedigree.

To get a free copy of ABS’ 1985 Beef Sire Directory, contact your local ABS Representative or American Breeders Service, P.O. Box 459, DeForest, WI 53532.

Anchor introduces combination cattle product
Anchor Laboratories, Inc., St. Joseph, Missouri, introduces Breed-Back 10, a combination product that protects dairy and beef cattle, replacement heifers and bulls from 10 major reproductive and respiratory
U.S. Sugar specializes in producing "Superior-meat-type" Brahman bulls that will maximize weaning weights and performance on any commercial herd. Quality bulls and heifers available year-round.

Owned by United States Sugar Corporation
Clewiston, Florida 33440

813/983-8121
Dooms Day to Weeds

Antiquates wick and carpet board applicators. The absolute last word in an economical herbicide applicator for control of weeds in pastures, and groves.

A ruggedly constructed, high speed, all terrain machine, unconditionally guaranteed. Roller is chain driven to insure equal moisture on all surfaces of carpet. Absolute control of liquids being dispersed.

Kills most weeds for less than $5.00 per acre.

Overall width of unit 11'0". Can be towed on highway. Can be used in gangs up to 50 feet wide.

Each unit, when used in gangs, can be disassembled (by one man) and reassembled in a train-fashion for towing on highway or through gates.

Units can be towed by smallest tractor or pickup truck. Only two points to lubricate each day.

Field tested and proven for efficiency. (4 years)

Designed and constructed so farmers can repair and replace any part from hardware or local supplier.

What the so called competition call new, we discontinued building 4 years ago.

We use heavy duty schedule 40 pipe and structural members, not light weight tubing.

We use 1/4 ton truck axles and wheels, not wheelbarrow and bicycle wheels.

You can leave your tool box and bolts at the barn, we don’t have anything on our machines that have break-away bolts.

Hook it to anything, pull it fast as want and if it isn’t still in one piece when you get back to the barn, call me, I’ll come and repair it.

You only have to look ahead while pulling our machine, not to the rear to see you hit a bull hole and it’s broken it’s back.

Contact us for references of ranchers that have owned both.

Bull holes, ditches, rough ground, high winds, nothing hinders the operation of Dooms Day.

It doesn’t need Tender-Loving-Care.

Herbicide sealed in roller, there is no dripping. We don’t just wick the weed, we SCRUB-ROLL it.

We also have many concepts for use in the groves. We’ll custom build one to meet your needs.

Built to last, these rigs will still be going when your Great grandson needs to clean the back ‘40!

Patent Pending

Wilson Equipment Service
P.O. Box 25, Lutz, FL 33549
Highway 54, 1 mile W. 41
Bill Wilson, Owner
Phone (813) 949-5579
Several Additional Models Available

Vitamin feed supplement helps horse health

Gen-A-Hoof, the biotin B vitamin feed supplement for healthy hooves and coats is now available in bulk packaging. Formerly available in either a 10-week or 20-week size, Gen-A-Hoof is now offered in a one gallon, reusable plastic bucket at a generous discount.

Biotin is an essential element for people, horses and many other animals. For over 40 years, it has been routinely used in cattle and other livestock feed. Nickers International developed Gen-A-Hoof in response to nationwide demand and on the basis of extensive veterinary research. A therapeutic dose of 15 milligrams (one teaspoonful) will make dramatic improvement in such problems as broken, dry, cracked, shelly or crumbly hooves, weak hoof walls, poorly defined frog, founder.

disease agents. Breed-Back 10 is recommended for the immunization of healthy cattle four months of age or older against bovine viral diarrhea (BVD), infectious bovine rhinotracheitis (IBR), parainfluenza, (PI,) and disease caused by Haemophilus somnus, Vibrio fetus and Leptospira canicola, L. grippotyphosa, L. hardjo, L. icterohaemorrhagiae and L. pomona.

For good health programming administer a 5-ml dose of Breed-Back 10 to open cows or replacement heifers, repeat the bacterin dosage in 14 to 21 days. Booster annually with a single dose of Breed-Back 10.

The BVD, IBR and PI, vaccine portion of Breed-Back 10 has several special benefits, spokesmen say. It is non-shedding and provides long-term protection. The IBR fraction acts as rapidly as intranasal vaccines—within 48 hours—but is more easily and more accurately administered. The BVD fraction is a highly antigenic vaccine made possible because of the low-passage virus from which it is derived.

Breed-Back 10 also contains an alum adjuvant which makes it highly effective and eliminates the problem of lumps at the injection site.

Because Breed-Back 10 combines protection for several disease agents, it reduces handling stress for the animal and decreases the number of injections, syringes and labor needed to do the job.

Breed-Back 10 comes in 10 and 20 dose amber vials. The amber-colored vials protect the potency of the product, Anchor says.

Gen-A-Hoof is now available in a one gallon, reusable plastic bucket at a generous discount.

Biotin is an essential element for people, horses and many other animals. For over 40 years, it has been routinely used in cattle and other livestock feed. Nickers International developed Gen-A-Hoof in response to nationwide demand and on the basis of extensive veterinary research. A therapeutic dose of 15 milligrams (one teaspoonful) will make dramatic improvement in such problems as broken, dry, cracked, shelly or crumbly hooves, weak hoof walls, poorly defined frog, founder.
PUT FRM ON YOUR FARM TEAM

SUMMERTIME, BASEBALL AND FLIES.

Watching flies at the ballfield can be fun . . . but not down on the farm.

Flies can rob you of a winning season in cattle. FRM's Fly Control Mineral #2 with ROLTM (Rabon® Oral Larvicide) will give you relief as your cattle protect and treat themselves.

ROL remains on the active list as it passes through the digestive tract into the manure of treated cattle. There it stops fly larvae in their tracks before they can get to first base.

By effectively stopping flies before they get started you protect the competitive edge that you work so hard for in your herd.

FRM Fly Control Mineral #2 with ROLTM is safe to use, too. Health, weight gain, rate of gain, feed efficiency, carcass quality and fertility are not effected.

Beneficial insects like dung beetles are not effected and the manure from treated animals may even be used as fertilizer on crops grown for human consumption.

You can go into extra innings without worry. ROL has no feedoff period in beef cattle. And it's the only registered larvicide labeled for use in lactating dairy cattle.

Added minerals, Vitamin A and Vitamin D gives your cattle even more health protection as well as helping to maximize growth.

FOUR OUTS. Horn, Face, House and Stable flies. This summer, stop the flies. Put FRM Fly Control Mineral #2 with ROLTM on your farm team and have a winning season.
Grand champion steer at the 1984 Georgia Junior Steer Show was an 1,150 pound red 87 percent entry sired by Goldenview Kris exhibited by Jay Kimbrel of Early County.

Herd certified and accredited.

Selling 140 Lots
Featuring:
- Fullblood Herd Sires
- Breeding interest in Brahman bulls
- Purebred and Percentage:
  - Cow calf pairs, Bred cows,
  - Bred heifers, Open heifers,
  - Show prospects, Cows with Brahman calves at side.

The Get and Service of:
- Eagle
- Goldenview Kris (sire of 1984 Georgia Grand champion steer)
- Duke of Carnaval
- Alpine (Flushmate to the many time Grand Champion Lonestar)
- Nordic Encore
- A son of Goldenview Hilton
- LB Hycross 758R
- Black Innovator

Auctioneer: Carroll T. Cannon 912/382-4383

Watch future issues of Limousin World for more information.

Rocking E Limousin
Arlen, Peggy, Tim and Rozanne Eubanks
P.O. Box 32, Edison, Georgia 31746
912/835-2584 912/835-2109
Farm: 912/835-2729

Compare our Specifications, Quality and Standard features to the competition—if that doesn’t convince you—then compare the Price and we think you will choose the Harrell trailer for your hauling needs.
The high performance Rhino Flex 15, Flex S15, and Flex 20 have established an unmatched reputation for long, rugged field performance. The reason? Superior construction and a host of exclusive features designed to reduce your operating and maintenance costs. The proof? Unprecedented two year warranties on key components.

For Heavy-Duty cutting and shredding, nothing else even comes close! The GR 84 features exclusive 13" deep Sideskirts and a massive Gearbox from Rhino that's warranted for 2 full years in 4" brush.
New Tramisol levamisole Gel outworms TBZ paste. And Tramisol's new Gel-Gun™ applicator even outguns the TBZ paste gun. The Gel-Gun is easier to operate than their gun...no clicks to count. Just set the dial at the proper bodyweight and start deworming. One dosage level gets all 9 major cattle worms. The Gel-Gun is sturdy, chrome-plated and comes with a lifetime warranty.

PHS Agri-Business Systems

OF FLORIDA, INC. SOUTH, INC. OF GEORGIA, INC.
P. O. Box 40028 P. O. Box 2878 P. O. Box 1019
Jacksonville, FL. 32203 Lakeland, FL. 33802 Douglas, GA. 31533
Phone (904) 786-5195 Phone (813) 665-0479 Phone (912) 384-1990

THIEL: Lake Butler Farm Center, Inc.

P. O. Box 538, Highway 121 South, Lake Butler, FL 32054
In Florida 1-800-342-3091 Out-of-State 904/496-3921
Open Monday—Friday 7:30 to 5:30, Saturday 7:30 to 12:00.

WHOLESALE AND RETAIL. Call for dealer information
BUTCH FAULKNER—RALPH HAZEN

Representing:

EarthWay

Barbed Wire
Field Fence
Pots and Barn Poles
Welded Wire
Poultry Netting
Hardware Netting
Hardware Cloth
All types Field Seeds

Vegetable Seeds
Hardware
Treated Lumber
Gates
Metal Roofing
Chemicals
Fertilizers
Soil Building Products

BOOTS, SHIRTS, JEANS
Hay Twine
Electric Fence Supplies
Mineral Feeders
Animal Health Products
Cypress Lumber
Stock Panels

COME SEE US FOR ALL OF YOUR FARM SUPPLY Needs
Call us for Spring-Summer seeding needs

1-800-423-SEED (7333)
1-305-877-3333

- Corn from National Seed Houses
- Sorghums from National Seed Houses
- Bahiagrasses
- Millets
- Summer Legumes
- Custom Blends for Game
- Others

501 N. Hennis Rd. • P.O. Box 1458 • Winter Garden, FL 32787

Call about our NEW share harvesting program.

<table>
<thead>
<tr>
<th>Fertilizer</th>
<th>Plant Per Acre</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aescchynomene, Hulled (Quick Germ)</td>
<td>10 lbs.</td>
</tr>
<tr>
<td>Aescchynomene, Unhulled</td>
<td>20 lbs.</td>
</tr>
<tr>
<td>Alfalfa, Florida 77</td>
<td>20 lbs.</td>
</tr>
<tr>
<td>Bahiagrass, Argentine</td>
<td>30-35 lbs.</td>
</tr>
<tr>
<td>Bahiagrass, Paraguayan, Strain 22</td>
<td>30-35 lbs.</td>
</tr>
<tr>
<td>Bahiagrass, Pensacola</td>
<td>30-35 lbs.</td>
</tr>
<tr>
<td>Bermudagrass, Hulled Quick Germ</td>
<td>15-20 lbs.</td>
</tr>
<tr>
<td>Bermudagrass, Unhulled</td>
<td>25-30 lbs.</td>
</tr>
<tr>
<td>Benne, Sesame (Wild Life)</td>
<td>15-20 lbs.</td>
</tr>
<tr>
<td>Buckwheat (Wild Life)</td>
<td>50-90 lbs.</td>
</tr>
<tr>
<td>Cowpeas, Iron/Clay</td>
<td>60-90 lbs.</td>
</tr>
<tr>
<td>Cowpeas, Combine (Wild Life)</td>
<td>60-90 lbs.</td>
</tr>
<tr>
<td>Hairy Indigo (Common)</td>
<td>10-15 lbs.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Planting Guide</th>
<th>Plant Per Acre</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hegari (Wild Life)</td>
<td>40-50 lbs.</td>
</tr>
<tr>
<td>Clovers, La. 5-1 White</td>
<td>6-8 lbs.</td>
</tr>
<tr>
<td>Clovers, Tibbee Crimson</td>
<td>20 lbs.</td>
</tr>
<tr>
<td>Clovers, Osceola White, Ladino</td>
<td>5 lbs.</td>
</tr>
<tr>
<td>Clovers, Subterranean (Mt. Barker)</td>
<td>8-10 lbs.</td>
</tr>
<tr>
<td>Clovers, Yuchi Arrowleaf</td>
<td>8-10 lbs.</td>
</tr>
<tr>
<td>Clovers, Hubam</td>
<td>20-25 lbs.</td>
</tr>
<tr>
<td>Clovers, Alyce</td>
<td>15 lbs.</td>
</tr>
<tr>
<td>Millet, Brown Top</td>
<td>30 lbs.</td>
</tr>
<tr>
<td>Millet, Japanese</td>
<td>30 lbs.</td>
</tr>
<tr>
<td>Millet, Dove Proso. (Wild Life)</td>
<td>15-20 lbs.</td>
</tr>
<tr>
<td>Millet, White Proso. (Wild Life)</td>
<td>50 lbs.</td>
</tr>
<tr>
<td>Millet, Gah 3, Certified</td>
<td>30 lbs.</td>
</tr>
<tr>
<td>Millet, Cert. Tifleaf 1</td>
<td>30 lbs.</td>
</tr>
<tr>
<td>Sorghum/Sudangrass Hybrid</td>
<td>40-50 lbs.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Pesticides</th>
<th>Plant Per Acre</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sorghum Grain (drilled)</td>
<td>20-25 lbs.</td>
</tr>
<tr>
<td>Sesbania</td>
<td>25-30 lbs.</td>
</tr>
<tr>
<td>Seed Oats, Fla. 501 (Cert.)</td>
<td>3 bu.</td>
</tr>
<tr>
<td>Seed Rye, Gator</td>
<td>1 1/2 bu.</td>
</tr>
<tr>
<td>Seed Rye, Fla. Black</td>
<td>1 1/2 bu.</td>
</tr>
<tr>
<td>Seed Rye, Wesser</td>
<td>1 1/2 bu.</td>
</tr>
<tr>
<td>Seed Rye, Wren's Abruzzi</td>
<td>1 1/2 bu.</td>
</tr>
<tr>
<td>Vetch, (Funko)</td>
<td>25 lbs.</td>
</tr>
<tr>
<td>Ryegrass, Gulf Annual</td>
<td>40 lbs.</td>
</tr>
<tr>
<td>Ryegrass, Shannon Brand Tetraploid</td>
<td>40 lbs.</td>
</tr>
<tr>
<td>Ryegrass, Tetragold, Tetraploid</td>
<td>40 lbs.</td>
</tr>
<tr>
<td>Ryegrass, Marshall (Cert. &amp; N/Cert.)</td>
<td>40 lbs.</td>
</tr>
<tr>
<td>Wheat, Fla. 301</td>
<td>40 lbs.</td>
</tr>
<tr>
<td>Other Items</td>
<td>1 bu.</td>
</tr>
</tbody>
</table>

*Inoculant recommended
BUY 4 TUBES...
GET THE GEL-GUN™ FREE.

New Tramisol® levamisole Gel outworms TBZ® paste. And Tramisol's new Gel-Gun™ applicator even outguns the TBZ paste gun. The Gel-Gun is easier to operate than their gun...no clicks to count. Just set the dial at the proper bodyweight and start deworming. One dosage level gets all 9 major cattle worms. The Gel-Gun is sturdy, chrome-plated and comes with a lifetime warranty. Best of all, it's FREE when you buy four tubes of Tramisol Gel. Get yours while supplies last. And hurry. With a deal this good, supplies won't last long.

TRAMISOL—Product of CAPRI, Distributed by American Cyanamid Company
TBZ (thiabendazole) – Merck & Co., Inc.

LIFE SERVICES, INC.
1800 E. North Park Street, Okeechobee, Florida 33472
SEFFNER Ocala JACKSONVILLE OKEECHOBE

LOOK WHAT WE HAVE TO OFFER
Complete Palmetto Removal Dozer, Loader, Grader, Heavy and Light Discing, Two Rotovators Modified for Sod Fields

PARKS BROTHERS Land Clearing
Call us Collect
Due to the tremendous response another Palmetto Removal Machine has been added to our Fleet of Machinery.

DAVID or GLEN
813/322-1269 813/322-1582
Route 1, Box 80D
Myakka City, Florida

Winter rodent control stems spring population boom

Although fall is touted as the peak period for rodent activity around cattle operations, infestation increases as the winter progresses and can reach significant proportions by springtime. That’s the opinion of William Jackson, Director of the Center for Environmental Studies at Bowling Green State University in Ohio.

“Most cattlemen know the rodent population in their facilities and even the farmhouse increases during the fall months,” Jackson says. “This is due to two things. First, cooler weather and loss of outdoor food and cover cause rats and mice to move in from the fields. Second, early fall is one of their two main breeding seasons.”

What many don’t realize, Jackson continues, is that there is another breeding season during the early spring months. “This second population increase could well cause severe damage to stored grain and feed.”

Regardless of the season, rodents have the ability to reproduce at a remarkable rate, Jackson points out. “A two-month-old female rat can conceive and have a litter in 19 days, and have four or more litters of five to eight baby rats a year,” he says. “Despite a high pup mortality rate of about 50 percent, a minor infestation can still become a major problem in just a few months.”

Each rate nestled indoors may consume about $12 worth of grain during the course of the winter, Jackson says. “And they’ll contaminate five to 10 times that amount with urine, droppings and hair."

Animals that consume rodent-contaminated grain or drink urine-tainted water may contract one of several diseases, including leptospirosis and salmonellosis, Jackson says. “These diseases are readily transferable within a herd, or even to dogs and cats on the farm,” he says.

As their numbers increase, rodents dry coat or tail, and slow hoof growth, the company says.

Biotin is a water soluble vitamin and cannot be stored by the horse’s body. It must be fed every day. Gen-A-Hoof is widely recommended by vets, farriers and other equine professionals and is used by leading breeders and trainers. It is available from Nickers International or from leading tack shops across the country. For further information, write Nickers International; Dept. B: 12 Schubert Street; Staten Island, New York, 10305.
Spring is a critical period for worming dairy herds. Even herds effectively treated last fall can harbor third stage roundworm larvae. When these larvae mature, they will begin laying thousands of eggs daily. One infected dairy cow or heifer is all it takes to reinfect the entire herd. There is a dramatic increase of roundworm eggs deposited during the spring months. Since every infected dairy animal can pass thousands of roundworm eggs daily, herd-wide reinfection can happen rapidly.

A BAYMIX® CRUMBLES whole-herd worming program this spring stops these parasites from getting a foothold in your herd and lets you market more milk. Study after study indicates a BAYMIX worming program can increase a herd’s milk production an average of 2.2 pounds of milk per cow per day.

Would you spray one cow for flies? Anything other than BAYMIX is a one cow solution to a whole herd problem. BAYMIX breaks the roundworm cycle in your herd and turns losses to gains. It’s an economical, easy-to-use dairy wormer that you simply top dress on the feed for six days.

Another BAYMIX bonus is no milk withdrawal during treatment. BAYMIX is the only dairy wormer that allows you to sell all of your milk while you worm. To see what’s chewing into your milk checks and learn more about increased milk production, look for the BAYMIX barn at your Cutter Animal Health supplier’s now.

*Baymix is approved for animals over 3 months of age.

Break the worm cycle Spring and Fall.

WI 53211
Aeschynomene

Excellent Source of High Quality Protein Equal to Alfalfa

Have you forgotten Hairy Indigo?

Other seeds available:
- Argentine Bahia
- Paraguayan 22 Bahia
- Pensacola Bahia
- Alice Clover
- Japanese Millet
- Others

Grown by cattlemen for cattlemen.

"Over 30 years experience with cattle and pasture improvements. Call us for consultation."

Common Hairy Indigo—a soil builder.
- Low fertilizer requirements.
- Good palatability.
- Hard to overgraze.
- Best for cover crops.
- Excellent nitrogen production.
- Best for erosion control and reclamation.
- Best for soil builder on poor lands.
- High resistance to nematodes.

C. M. Payne & Son, Inc

Custom Seed Harvesting
9410 Payne Road
Sebring, FL 33870
813/385-4642
813/385-8330
TRAMISOL gives you 20 extra pounds of calf at weaning.

When you worm your pregnant cows with TRAMISOL* levamisole de-wormer, you'll discover the TRAMISOL difference.

- It rids cows of all nine major cattle worms. Safely and effectively.
- Results in better health, better milk production and calves up to 20 pounds heavier. Tests prove it.*
- TRAMISOL is available in five convenient forms.

In addition to these benefits, TRAMISOL is now more competitively priced than ever. Check your TRAMISOL supplier for details.

*Data available upon request.
GENE THOMPSON BEEFMASTERS

A Herd Reduction Sale

Saturday, June 8, 1985

Sale Time: 5 P. M.
Baton Rouge, Louisiana
Sale To Follow BBU's Symposium

Sale Location:
On the west shore of the Mississippi River
off IH-10, directly across the river from the
Prince Murat Hotel.

Offering 75
Female Lots
Including: 3-N-1's and Pairs
Most Are “U” Classified

Get And Service Sires
Include: Ranger's Pride, Levi,
Rocking T 1500 (Embryo Levi out of
Pride's Dam), Phantom and Reno (A
Phantom Son, out of Pride's full sister)

For more information, write or call:
GENE THOMPSON BEEFMASTERS
P. O. Box 337 • McNeill, MS 39457
601/798-6502 • 504/641-6640 B
New Curatrem™ (clorsulon) is available now for the control of liver flukes (Fasciola hepatica) in cattle. It's the treatment with a wide safety margin and unmatched effectiveness. With new Curatrem, you can eliminate the prescriptions, paperwork and lengthy withdrawal periods required for previous liver fluke treatments.

**Wide Safety Margin**

New Curatrem has a wide margin of safety when given at the recommended dose. In beef cattle, Curatrem may be used in animals of all ages and in any stage of pregnancy. Curatrem has not been shown to cause unwanted side effects.

**Unmatched Effectiveness**

New Curatrem is 99% effective against adult liver flukes. Compare that to the 75 to 80% efficacy of previous products, such as albendazole. Curatrem also controls 94% of immature flukes (8 weeks old) present in the bile ducts of the liver.

**Available now**

You can buy Curatrem oral drench in convenient one-quart jugs. And it's available now at your dealer, animal health distributor, or from your veterinarian. Ask for Curatrem, the answer for liver flukes.

New Curatrem (clorsulon)
Spot Influence Sale
5 P. M. Saturday, May 18, 1985

At the Yarbro Ranch
Three Rivers, Texas
Dinner Following Sale

The Spot Influence, throughout the industry, is one of the most popular and predictable. Spot progeny as own sons and daughters as well as grandsons and great grandsons have the quality, performance and desirable characteristics that continually prove the genetics of this legendary herd sire. Annually, we offer to you that same genetics through our production sale. So make plans to come to the original source of the Spot Influence and take back to your ranch the progeny of one of truly the breed’s greats.

Sale Manager
Thompson Cattle Marketing
P. O. Box 187, Pavo, GA 31778, 912/859-2421

Sale Headquarters
New Drummers Inn, Beeville, TX, 512/358-4000

Auctioneer
Gerald Bowie

Schedule of Events
Friday, May 17, 1985 — All Day Viewing Sale Cattle
Saturday, May 18, 1985 — 8 A. M. - 5 P. M. Viewing
Sale Cattle
5 P. M. Spot Influence Sale
Dinner Following Sale

Offering 60 Lots

1 Proven Herd Sire (General, an own son of Spot and a great breeding bull.), 1 Herd Sire Prospect (By General, He’s quality throughout), 58 Females, 3-N-1’s, Pairs, Bred & Open Heifers

A BBU Approved Sale

A Certified Brucellosis Free Herd

Y 89,
A Comanche Daughter,
Spot Granddaughter

Y 288,
General Daughter,
Spot Granddaughter
RODENT population is increased both in early fall and early spring which are both breeding seasons. Will compete fiercely for food in farm buildings, Jackson continues. “Rats will eat broken and cracked eggs, and may even attack and eat chickens,” he says. The surviving birds often produce fewer eggs, and if wounded, may die later. Hens stressed by rat infestation, he adds, tend to produce eggs with more blood spots.

Rodents also cause damage in warmer climates, says Rex Marsh, specialist in vertebrate ecology at the University of California at Davis. “Roof and Cotton rats damage about $10 million worth of sugarcane in Florida alone each year,” he says. Overall, Marsh adds, “rodents as a species probably destroy about 20 percent of crops before they reach the table.” This includes damage done to stored grain and foodstuffs, as well as crops in the field.

Especially in operations with continuous grain storage, effective year-round rodent control should be a top priority, says Jack Shugart, a rodent control researcher for Ralston Purina Company. “It only costs about 25 cents to rid your operation of a rat, but you may pay over $25 a year to support just one rodent,” he points out. “By reducing the rodent population, there’s less risk of disease and structural damage.”

Shugart, who heads one of the largest and most advanced rodent control research programs in the country, recommends a three-pronged program. “Rat-proofing” buildings, sanitation and baiting prevents infestation. “With cement or sheet metal, seal all openings around pipes entering buildings, or areas where rodents have already gnawed through,” he advises. “The objective is to prevent possible points of entry.” Housings on aeration and drying equipment should also be covered when not in use to prevent rodents from entering bins, Shugart adds.

After “rat-proofing” the facilities, Shugart suggests farmers and
producers clean out debris and garbage, and remove any spilled grain from around feeders or storage bins. “It’s also important to remove weeds and rubbish from around the outside of buildings,” he says. “These present ideal hiding places for rat lairs, and may conceal existing rodent entryways.”

A third crucial component in rodent control is an effective baiting program, Shugart notes. “A palatable rodenticide should be placed where rodent traffic is evident,” he says. “Greasy marks along the walls may indicate such an area, as do droppings or rat hair.” A checklist and diagram of where these rodent signs are found will help pinpoint problem areas, Shugart adds.

Shugart also suggests setting out control bait (regular feed the rats have grown accustomed to eating) and checking it regularly to measure the extent of the infestation. The speed at which the control bait is consumed will be a good indication of the primary area and degree of infestation, he explains.

Farmers and producers must also consider whether their control method is acceptable to use around livestock, horses and other farm animals, Shugart continues. “Naturally the best rodenticides are those which are lethal to rats and mice, but pose as little hazard as possible. This is an important consideration in every on-farm control program.”

Depending on the control method used, dead rats and mice should start to appear shortly, Shugart says. “But research conducted at Purina indicates that baiting should continue year-round or new rodents will re-infest the area, and the cycle will begin all over again.”

This three-pronged program of rat-proofing, sanitation and baiting will help make farm buildings less attractive to rodents, and reduces existing populations, Shugart notes. “And for each rat or mouse kept out of the livestock unit or grain bin, the farmer prevents loss from rodents, and reduces the threat of disease as well,” he says.

Purina certifies horse feed dealers

More than 500 horse feed dealers across the country have been recognized by Ralston Purina Company as Certified Horse Advisors, specially qualified to address the specific needs of horse owners, from nutritional guidance to horse management.

To earn this certification from Pu-
Purina, these dealers and at least one of their employees have completed a comprehensive training program on the horse industry, equine physiology and nutrition, feeding programs and horse management.

In addition to stocking a full line of horse feeds and supplies, Purina Certified Horse Advisors are qualified to answer questions, evaluate the nutrient value of various feedstuffs and design a nutritionally balanced feeding program based on a horse’s performance activities and the owner’s feed form preference.

“The nutrient requirements of one horse can differ dramatically from those of another, depending on the performance demands placed on the horse,” according to Dennis Spalding, horse products manager for Purina. “A race horse’s nutritional needs, for example, are quite different from those of an open brood mare.”

Purina Certified Horse Advisors can provide informed guidance to help horse owners get optimum performance from their horses, Spalding explains, whether the animals are used for work, competitive sports, breeding or pleasure riding.

Certified Horse Advisors will work with farm and stable managers, veterinarians, trainers or farriers, if necessary, to be sure a feeding program is coordinated with the horse’s overall management program and training regimen, Spalding notes.

Dealers who have become Purina Certified Horse Advisors can be recognized by a certificate and a distinctive silver and blue banner displaying a horse’s head inside a diamond shaped logo. Spalding suggests that horse owners inquire at their local Purina dealer to see if they have received Certified Horse Advisor status.

**NCA offers booklet on beef 'myths and facts'**

Myths About Beef, a brochure listing 12 common myths and facts about beef, has been published by the National Cattlemen’s Association and is now available for public distribution. Funds for the production of the brochure and for distribution to opinion influencers were provided by Velsicol Chemical Corp. Operation Trade Expansion (VOTE) program.

The brochure—in an easy-to-read way—presents documented truths about beef. For example, the brochure shows that beef is no higher in cholesterol than chicken; most cuts of cooked and trimmed beef have no...
Gooseneck Livestock Trailers available from 10' up to 32' lengths by 6' wide. Covered or cage top.

Bumper livestock or custom combinations available in 10' up to 22' lengths by 5' or 6' widths. Covered, cage or open top.

2-Horse Trailers available in deluxe, standard or economy models.

Full line of custom 2-Horse to 8-Horse Goosenecks, slant load or side by side load, with or without dressing room.

No horn-fly resistance reported by IGR users in 9 seasons

Since 1976, horn-fly-stopping MoorMan's IGR Minerals® has been fed free-choice to grazing beef cattle. And not one user in Florida or elsewhere has reported resistance developing.

IGR stops horn flies in the harmless pupal stage. They never have a chance to torment your cattle, bite, suck blood, interfere with peaceful grazing.

Your cattle also get minerals scientifically formulated by MoorMan Research, plus vitamins A and D.

Special IGR mineral products are available with either high magnesium or high phosphorus.

Get full details on IGR from our representative who provides on the spot feed counseling and other services.

Berry joins LBAS consulting group

W.T. (Dub) Berry will join the Livestock Business Advisory Services (LBAS) Consulting Group, Overland Park, Kansas, May 1, 1985, to assist in the expansion of its consulting services to the total food industry, from the farm and livestock sectors through the retail food store and food service sectors. Berry will do consulting and also will assist with client relations, expanding present client services, and helping the LBAS team in developing new clients and strengthening the liaison between clients and the services provided by the economic, financial, livestock, meat, and grain exports on the LBAS consulting staff.

Bill Helming, president of LBAS, made the announcement following the NCA Convention held recently in Phoenix. At the convention Berry stepped down as executive vice president and will continue to be associated with NCA on a part-time basis working on special projects and assisting the officers and executive committee.

Helming said "Berry brings to LBAS a broad experience in domestic and foreign agriculture acquired during his long and successful career in key leadership positions; professor, Department of Animal Science, Texas A&M University; operations manager of Winrock Farms, Morrilton, Arkansas; executive vice president of the American Hereford Association, Kansas City, Missouri; senior vice president of Western Farm Management Company, Phoenix, Arizona and Denver, Colorado; and, most recently, executive vice president of the National Cattlemen's Association."

Agri-scholarship judges selected

The four-member judging panel for Ralston Purina's 1985 Field 'n Farm Agri-Scholarship competition has been selected after a review of 12 of the nation's top academic agriculturalists.
Chairing the committee, which will read thousands of essays about the problems facing agriculture today, is Dr. Kenneth Larson, associate dean for academic programs in the college of agriculture at Iowa State University. The other members are Dr. Gene Love, associate dean for resident education in the college of agriculture at Pennsylvania State University; Dr. David Mugler, associate dean and director of resident instruction in the college of agriculture at Kansas State University; and Dr. Gerald Zachari-ah, dean for resident instruction for the college of agriculture at the University of Florida.

The panel is charged with selecting 20 high school seniors to receive $2000 scholarships and 80 to receive $250 grants. This is the second year that Ralston Purina has sponsored a scholarship competition for students entering college in agriculture related majors.

"Ralston Purina feels an obligation to invest in the future of America's agriculture industry," said Skip Baumgartner, marketing assistant. "And we are very proud to have these gentlemen judge the essays. They are more than just qualified to do the work—they care about it," he said.

The judges will start evaluating the essays after February 28, 1985, when the competition closes. Between then and May 1, when the winners are announced, the committee will meet in St. Louis, Missouri, to share expertise.

**Burridge named department chairman**

Michael Burridge, an international-ly acclaimed expert on diseases that plague food-producing animals in de-veloping nations, has been named chairman of the Department of In-fectious Diseases at the University of Florida College of Veterinary Medi-cine.

Burridge, who joined the UF fac-ulty in 1976 during the veterinary college's inaugural year, also directs the school's Center for Tropical Animal Health.

A professor of epidemiology (the study of the occurrence and preva-lence of diseases), Burridge is the U.S. representative to the Association of Institutes for Tropical Veterinary Medicine and has served as consul-tant to several global organizations overseeing livestock health in de-veloping nations.

On the national level, he has served as a member of the National Academy of Sciences Committee on Animal
ROHN® – Your Best Source For
Galvanized
GATES and PORTABLE CORRALS
HOT DIP GALVANIZED After Fabrication – For Ultimate Corrosion Protection!

TUBE GATES of High Strength Steel.
HOT DIP GALVANIZED or PRE-GALVANIZED
Tubular Steel in 2” and 1½” outside diameter. Available in 2’ increments from 4’ to 18’.
50’ High. Complete with Hardware.

GATES OF PROVEN QUALITY
Livestock Producers Tell Us Our Galvanized Equipment Lasts Longer!

CORRAL PANELS and GATES of Heavy
Steel Tubing.
HOT DIP GALVANIZED or PRE-GALVANIZED.
Tubular Steel in 2” and 1½” outside diameter.
Panel Lengths of 10’, 12’, 14’ and 16’.
6’ Wide Gate in a 10’ Corral Section.
Provides Flexibility for any size or shape.
SAVE TIME - Put the Corral Where It’s Needed!
Complete with Attached Hardware.

Rohn Agri Products
P.O. Box 2000, Peoria, Illinois 61656
PH (309) 697-4400 TOLL FREE 800-447-2264
Illinois Customers Call Collect (309) 697-5771

Guaranteed
HEAVY DUTY
Standard Livestock Trailer is available in sizes 16, 20, 24, 28 & 32’ length and 6’ width.
Also
FLATBEDS

Texas Trailers
Manufactured
in Florida
Covered Tops
DEALER INQUIRIES INVITED

1650 N.W. 55th Pl., Gainesville, FL 32601
(904-378-4756) (904-371-0596)

Powder River
Heavy Duty Equipment
• Gates
• Portable Pens
• Squeeze Chutes
• Calf Cradles

Animal Health Products
Vaccines • Dewormers • Insecticides

Stockman Supply Co.

5719 NW 13th Street
Gainesville, FL 32601
904-372-8916

SADDLES • TACK • WESTERN WEAR

Health, and is an executive board member of the Society of Tropical Veterinary Medicine.
He has published more than 100 scientific papers. One of his current research interests involves the development of inexpensive methods for immunizing people against rabies.
A rabies vaccine he tested for the panel that sets national immunization standards is beginning to replace the traditional costly vaccination procedure.
He currently directs a joint U.S.-French-Dutch research program in the Caribbean concerning the control of heartwater, a tick-borne disease in cattle, sheep and goats.
Burrage was included in the 1982 edition of “American Men and Women of Science,” currently serves as a veterinary medicine consultant to the 25th Edition of Stedman’s Medical Dictionary, and is a Fellow in the American College of Epidemiology.
He received his doctorate in epidemiology from the University of California-Davis, and earned his veterinary degree in 1966 from Edinburgh (Scotland) University.

Abbitt selected to lead foreign tour
Ben Abbitt, president of the Winter Haven-based Florida Agricultural Research Institute (FARI) has been selected to lead a People To People International delegation to the Peoples Republic of China and the Soviet Union.
People To People International, according to Abbitt “was founded in 1956 by then President Dwight D. Eisenhower to pursue understanding and world peace through exchanges between private citizens with similar occupations.”
Abbitt’s 34-member delegation of agriculturalists, when completed, will visit their professional counterparts August 2-19, and exchange information on agricultural practices, cultures, and customs in these three world powers.
FARI is a 52-year-old non-profit trade association whose 120 members, including allied service industries, annually produce approximately $150,000,000 of agri-chemical sales and 75 percent of the two million tons of mixed fertilizers used in Florida.

IMC announced promotion for cattle implants
International Minerals & Chemical Corporation, Manufacturer of Ralgro® cattle implants, announced a new promotion that began in February. According to Robert Hill, vice president and director of marketing,
two 24-dose wheels of Ralgro implants, a supply of needles and a Ralogun® pellet injector will be offered as a “Bonus Pak” for $49.95.

“When you consider the retail value of this package is $74.95, we think this is an unbeatable offer,” he says. “It should be especially attractive for cow-calf producers and others who didn’t think they could afford the initial investment in the Ralogun.” The gun carries a lifetime guarantee, adds Hill, and is easy to use.

The advantages of implanting are well established. University research shows implanting calves with Ralgro adds up to 25 pounds of extra gain. “Implanting adds pounds and improves feed efficiency,” says Hill. “And payback is up to $20 for every dollar invested. It should be a part of every cattle producer’s management program, regardless of the size of operation.”

Ralgro’s Bonus Pak offer is good through participating dealers for a limited time and while supplies last. Suggested sale and retail prices may vary by dealership.

PHS issues updated animal health catalog

The book weighs 2½ pounds. With convenient indexes and tabbed sections, the new PHS catalog illustrates nearly 800 products with uses, ingredients and directions in easy-to-find categories—Antibiotics, Detergents, Disinfectants, Feed Supplements, Instruments, Lawn and Garden, Medicinals, Pest Control, Pet Products, Premixes, Vaccines and Vitamins.

PHS distributes feeders, waterers, brooders, cages, nests, egg-collection and processing machines, incubators, bird-processing equipment, swine penning, bulk feed tanks and trucks, grain handling and storage equipment, scales, environmental control systems, electrical products, waste disposal equipment, ranch fencing and hardware. The company designs and builds animal farms, hatcheries, feed mills and processing plants all over the world. Its slogan is “Everything under the Sun in Agri-Business Systems.”

Founded 37 years ago and still managed by Mars D. Cooper, Poultry Health Service won the coveted Presidential E-Award in 1972 and the rarer E-Star Award last year for Excellence in Export.

PHS prints all catalogs at its Jacksonville, Florida headquarters.
Reimplanting, "deep site" location keys to higher beef profits

Beef producers can realize significant additional weight gains for their cattle, up to 20 pounds per animal in some cases, if they reimplant, and put those implants in the newer "deep site" location.

Both techniques were cited at the 1985 Management for Growth Conference held in Orlando February 21 as research-tested and commercially-proven ways to increase profit potential in all types of cattle feeding operations.

The two-day technical program for an estimated 100 leading beef producers, veterinarians and livestock specialists was the fifth in a series of annual conferences sponsored by International Minerals & Chemical Corporation since 1981.

The value of reimplanting was demonstrated in several presentations, including a special report on use of implants in suckling calves and growing cattle by Danny Simms, Kansas State University livestock extension specialist.

Citing results of research studies and field trials involving over 1300 steer calves, Simms reported an improvement in weaning weight of 19/20 pounds was achieved with a single Ralgro brand implant. Reimplanting produced an average improvement of 32.9 pounds per calf in the suckling phase, he noted.

Other trials produced comparable results, Simms explained.

"A response of from 10 to 20 pounds per implant was common in those studies. On a percentage basis, a single Ralgro implant (the product used in the studies cited), increased gains by approximately four to six percent in the suckling phase, while a reimplant increased gains by eight to 10 percent on the average," Simms told conference participants from throughout the U.S. and Canada.

Discussing growing cattle, Simms said extensive research and field trials have shown that the improvement in growth rate from implanting is even more consistent and of greater magnitude than the suckling phase.

"A summary of several typical trials indicates an increase in gain of from 20 to 30 pounds per animal can be expected during the growing period.

"These data, combined with the high interest rates and other financial pressures that have made rate-of-gain a major factor in profitability, should convince beef producers that implanting should be a standard practice in all cattle operations."

In another discussion on implants at the 1985 Management for Growth Conference, David Hutcheson, professor of animal science at Texas A&M University's Amarillo experiment station, told participants "Implanting cattle produces as much or more return, per dollar invested, than any other management tool.

He reported a recent review of implants by Dr. Jim Overfield of the University of Illinois involving over 17,000 cattle showed that implanting increased steers' gains approximately 14 percent and heifers' gains by 11 percent over non-implanted animals.

Feed efficiency among implanted cattle in those studies was eight percent greater among steers and six percent better for heifers, compared with the control groups, according to Hutcheson.

He also cited a separate Canadian study of stress in cattle that indicated steers implanted with Ralgro brand implants prior to shipment and processed upon arrival at the feedlot gained 12.3 more pounds during the first 28 days than those animals that were not implanted before shipment, but processed on arrival.

"The implanted cattle held a 26.5 pound average advantage over non-implanted animals after 56 days, indicating that an implant such as Ralgro may have a beneficial effect on tolerance to shipping stress and an animal's ability to respond to a good processing program upon arrival at the feedlot," Hutcheson concluded.

"Deep site" implanting's benefits were described at the conference by Jack Riley, professor of animal science at Kansas State University where he has carried out extensive research in that technique.

Riley cited studies that indicate an average improvement in gain of from 2.7 to 3.5 percent when producers implant in the so-called "deep site" location (in the pocket of loose skin at the base and lower portion of the animal's ear) instead of the older, traditional site about an inch from the base of the ear.

"Based on available data regarding feed intake and efficiency, using the newer implant location also could produce a 1-to-3 percent improvement in efficiency of feed utilization, a significant bonus in today's difficult times," Riley concluded.

The conference was part of IMC's ongoing program of technical assistance to the beef industry through the company's Animal Products Group.

"The format of these technical programs, combined with the broad cross section of experts from all segments of North America's livestock industry, has generated new ideas and opened the way to more widespread adoption of proven new technology such as reimplanting for maximum weight gains and top feeding efficiency," according to S.S. Chandler, vice president and general manager of IMC's Veterinary Products Division.

Program coordinator was John Bonner, IMC market development manager.

Join your local county cattlemen's association.

SAM WASHBURN, left, past NCA president, was a featured speaker at the Ralgro conference. IFAS economist Jim Simpson chats with him.

REPRESENTING the nation's beef industry at the IMC meeting was Jack Dahl, left, NCA first vice president.
Walpole Feed & Supply

Distributors for U.S. Sugar Corporation Molasses Products

Your best source for LIQUID FEED PRODUCTS in all South Florida

- Sugar-Lik 16%, 20%, 32%
- Fast, dependable service.
- Bulk and bag feed specialty items.
- Let us take the work out of using liquid feed. Call for information. 813/763-6905

Salesman:
Ralph Ames
Arcadia, FL
813/494-0493

Walpole Feed & Supply

U.S. Highway 98
OKEECHOBEE, FLORIDA

Office: 813/763-6905
Night: 813/763-0834

Salesman:
Joe Lott
Lake Placid, FL
813/465-1205
NOW IT'S HISTORY

1942: Twenty-fifth local signs up

The Palm Beach County Livestock Raisers' Association was organized to bring to 25 the number of local associations affiliated with the state group. . . Screw-worm was noted as the worst external pest of southern livestock in an article by Walter J. Sheely. . . C.H. Downes of Sarasota succeeded himself as president of the Myakka Cattlemen's Association.

1947: Winn-Lovett was top buyer

A letter to the editor from A.D. Davis of Winn-Lovett Grocery Company, Jacksonville, pointed out the firm was top buyer at the Southeastern sale in Ocala having purchased cattle under three different names—Table Supply, Lovett's and Piggly Wiggly Stores—for a total of 74 steers at $20,000. . . Florida's horse industry was featured in a series of articles. . . Congress appropriated $9 million to start a campaign to stamp out foot-and-mouth disease in Mexico.

1952: Brahman event broke records

Florida's first national Brahman show and sale at Bartow broke several records for the breed including the sale average of $1615, the highest ever brought by Brahman at auction anywhere in the country. . . Three feeder calf sales were scheduled at the Gainesville Livestock Market. . . Florida's gubernatorial candidates expressed their views in a special article. . . Cossie Lyons, Pompano Beach Brahman breeder, died at the age of 48.

1957: Cooking school was sponsored

The Florida Beef Council promoted a cooking school in conjunction with the annual Beef Cattle Short Course in Gainesville sponsored by the University's department of animal husbandry and nutrition which was open to local housewives. . . O.W. Dixon of Tampa was elected president of the Hillsborough County Cattlemen's Association. . . A half interest in a $50,000 Polled Hereford bull was purchased by Santa Fe River Ranch, Alachua.
PLANS SET FOR CONVENTION

Plans are in the making for the annual FCA convention to be held this year at the new Marriott's Harbor Beach Resort, Fort Lauderdale, June 19-21, according to Aubrey Caruthers, convention chairman. He noted pre-registration forms along with hotel reservation forms have been sent to the membership. Caruthers said pre-registration deadline is June 10 and points out pre-registration will be a money-saver. Adult (over 12 years of age) pre-registration is $85 per person; child pre-registration is $55. At the convention site the charges will be: Adults $95 per person; children $65 each.

Registration fee is refundable in the event it is necessary to cancel. If possible, please advise the FCA office by June 14 if cancellation is necessary. A small administrative charge will be levied in these cases. Admittance to individual functions can be purchased at the registration desk: Sweetheart Luncheon $25; Thursday Buffet Dinner $40; Friday Banquet $35. Pre-registration badges entitle the bearer to attend all functions. Those purchasing tickets for individual functions will display a name plate with a distinctive color for each affair. Close security will be maintained at all times and all must have a proper badge for admittance to the various functions. Security coordinators for the convention will be Bill Stark and Charlie Bronson.

BOXED BEEF USE GROWS

The portion of U.S. beef production going into boxes continues to increase according to B.H. Jones, P & S administrative. In a statement submitted to the House Appropriations subcommittee on agriculture, Jones said boxed beef production by packers, excluding chain stores, accounted for 12.5 million carcasses, or about half of the federally-inspected slaughter of steers and heifers, in 1979. By 1983, production had increased to 18.6 million carcases, or 69 percent of the 26.8 million steers and heifers slaughtered. Jones said retailers fabricated about 1.5 million steers and heifers into boxed beef for their own stores in 1983.

B&B NAMES HONOREES

The Block and Bridle Club at the University of Florida held its spring banquet in Gainesville April 9 and announced the selection of two honorary members. Named were Belle Jeffords, past board president and current president of the Alachua County Cattlemen's Association, and Fred Dietrich, Santa Gertrudis breeder from Orlando.

Both were cited for their many contributions over the years in working with the B&B Club members and the animal science department.

During the meeting, scholarships were presented to selected student members by the Florida Cattlemen's Association; Florida Angus Association, the Florida Hereford Association, and the Florida CowBelles Association. FCA was represented by Jim Flanagan, executive administrator; the Florida Angus Association by Leroy Baldwin, a past president; the Hereford association by Flanagan, and the CowBelles by Sylvia Leitner, president-elect.

NCA PLEASED WITH PROGRAM

A recent release noted the National Cattlemen's Association is pleased that the dairy diversion program expired on March 31. The program, signed into law on November 29, 1983, expired when Congress failed to pass legislation to extend the program. The diversion program paid dairy farmers to cut milk production which gave them the incentive to slaughter dairy cows. Several dairy industry groups had supported an extension of the program.

"NCA vigorously opposed the program in 1983, testified in opposition to the extension of the program at recent congressional hearings and will oppose any form of a diversion program incorporated into the 1985 farm bill," according to president-elect Don Butler.

"We are extremely pleased that Congress has decided not to extend the program," Butler said.

"Only 12 percent of the nation's 304,000 dairy producers signed up for the program, and only 300,000 dairy cows were actually slaughtered as a result of the program -- far short of the one million some analysts say is needed to reduce production to market-clearing levels," Butler said.

"Despite the program, the federal government still spent $1.5 billion to purchase 9.5 billion pounds of surplus dairy products in 1984," Butler noted. He said cattlemen objected to the program because it subsidized the slaughter of dairy cows in direct competition with beef producers.

"The program distorted the economic signals to beef producers," he said.

Butler said NCA wants the dairy program resolved. However, he noted the milk surplus program will continue until dairy producers start producing for the marketplace, instead of the government. "Dairy herd reduction must result from economic decisions by individual dairy producers, not from a government program to cull dairy herds," he said.

"NCA will continue to oppose any effort to have a dairy diversion program incorporated into the 1985 farm bill," Butler concluded.

CHINA GETS U.S. CATTLE

Following two years of negotiation, China has accepted its first shipment of breeding cattle from the U.S. Last January, 379 Holstein dairy cattle were flown to Guangzhou, China, where they were held in quarantine until March 5. The lengthy negotiations were over health requirements for U.S. breeding cattle, swine and poultry exported to China.

USDA REPORTS ON INSOLVENTS

USDA reports that 93,000 of the farms in the U.S. are technically insolvent, or on the verge of going broke, with an accumulative indebtedness of $47 billion. The 93,000 figure represented 14 percent of farms classified as in the mid-sale category, with sales over $50,000 but under $500,000 annually.

Taking all categories into consideration, 18 percent of the nation's farms, representing 50 percent of the overall farm debt, were under financial stress.

Taking all categories into consideration, 18 percent of the nation's farms were under financial stress. Family/commercial farms, which account for 50 percent of the farm debt, were also troubled with about a third in serious financial difficulty.

CANADA RAISES IMPORT QUOTA

Canada has raised its world-wide quota on high quality beef imports, according to the U.S. Meat Export Federation, U.S. beef graded Prime or Choice automatically qualified for the new quotas. Frozen, or "non-high quality" beef will still be limited to 21.6 million pounds annually, the same quota currently in place for the quality beef.

FEEDERS UP IN VOLUME

At selected markets in the southeast states the week ending April 5 receipts of feeder cattle and calves were estimated at 49,700 head, compared to 45,700 the previous week and 46,000 head a year ago. Price comparisons with the previous week showed feeder steer calves mostly $1 to $3 higher with instances of $4-$5 up on 200-350 weights; over 500 pounds steady to $2 higher.
Beef Promotion

SUMMER KIT NOW AVAILABLE

The summer Beef Promotion Supermarket Kit will be received by 1,425 retailers across the state, FBC and Dairy Farms, Inc., will again this year coordinate a joint venture with installation of the kit (mobiles, case rail banners, top of the case headers and product use cards) in 525 supermarkets. The remaining kits will be sent directly to supermarket chain headquarters to be shipped directly to individual markets.

Kingsford Charcoal joins with the Beef Industry Council in this summer promotion and will promote beef in a June 23 free-standing newspaper insert that will reach 45 million homes nationwide. With each purchase of Kingsford Charcoal, the firm will make available a $1 coupon good on the purchase of beef. The promotion will also include advertisements in the June and July issues of consumer magazines.

DROP NOTED IN PRICES

The national average retail price of five beef cuts decreased during the past month, NCA reports. In its monthly 19-city survey of supermarket beef prices, NCA noted that the national five-cut average on March 14 was $2.48 per pound, compared with $2.53 on February 14 and $2.60 in March, 1984.

The decrease in the national average appeared to reflect very ample supplies of meat and a decrease in wholesale beef prices. The national average retail price remains well below levels reached in the spring and summer of 1984. Later, beef production is expected to decrease, and prices are expected to rise again. But for now, NCA emphasized, there are good beef buys for consumers.

During the past month, price trends among cities again varied. Prices varied partly because of variations in the amount of price specializing by retailers at the time of the survey. Differences in wage, transportation and other costs are among reasons for the differences.

HOSPITAL SELLS 'BIG MACS'

St. Joseph Hospital, Phoenix, Arizona, now sells "Big Macs." The new McDonald's replaced a small facility which served strictly cold food and operated across the street from the hospital cafeteria.

The menu of this McDonald's includes salads, fruits, soups and Dial Macs-order taken from hospital nurses' stations for delivery (by modified golf cart) after visiting hours. The hospital facility employs 3300 workers.

MICROWAVE RESEARCH DONE

Soon fast food beef, ready for the microwave, will be available in retail supermarkets. Research done at the University of Arizona has produced pre-cooked, sliced rare beef sold in a vacuum package. The meat can be heated in the microwave for 60 seconds and served. Contamination is avoided and safety maintained if the package is stored at 36 degrees or below.

NCA WANTS FACTS TOLD

NCA has asked the heads of USDA and the Department of Health and Human Services to help see that factual nutrition information on beef as well as other foods is widely disseminated.

New USDA data on the nutrient composition of modern beef are expected to be released soon, and that information can be used by agencies and health organizations, as well as the industry, to clear up misconceptions and improve understanding of what actually is and is not in 14 cuts of cooked beef, according to R.L. Bliss, chairman of NCA's consumer relations committee.

He noted NCA is not asking for special treatment for beef, but "We are asking for your help in seeing that factual information on beef as well as other foods is widely disseminated and that diet recommendations are not misinterpreted. If the true facts about what is and is not in beef as consumed by Americans become more widely known, we can compete on the basis of the merits of—not the misconceptions about—our product."

A problem for the beef industry is that some persons interpreting the diet recommendations—including persons in health care work and in the media—automatically assume, and state, and beef is a major source of fat and that its intake should be cut.

Emphasized Bliss, "Fat may be an issue; beef should not be."

SINGAPORE STORE FEATURES STEAK

U.S. steak is now a permanent part of the menu at Swensen's Ice Cream restaurants in Singapore, following the overwhelming success of a recent Meat Export Federation-sponsored promotion.

During the first two weeks of the promotion, the four Swensen's restaurants in Singapore—which had never featured U.S. steak as a menu entree—sold 1.5 tons of U.S. tenderloin, ribeye and striploin. Prior to the promotion, the restaurants had used primarily beef from New Zealand.

The promotion—co-sponsored by Northwest Orient Airlines, Kraft and Kingpac International—was advertised on billboards and in newspapers and direct mailers.

BEEF, VEAL EXPORTS UP

U.S. beef and veal exports increased 20 percent in both tonnage and dollar value in 1984, the largest increase in beef and veal exports since 1981. Japan and Canada led the way in increased exports, topping their U.S. beef imports 30 percent and 84 percent respectively. Although Saudi Arabia was the third largest importer of U.S. product, exports to the country decreased 30 percent from 1983, largely due to competition from the European Economic Community and Australia and a declining expatriate population.

Leading importers during 1984 were Japan, Canada, Saudi Arabia, Bahamas and Taiwan.

REPORT SHOWS IMPROVEMENT

The beef industry's advertising campaign is improving consumer attitudes toward beef, according to BIC. A study made showed that consumer awareness of the campaign theme—"Beef Gives Strength"—and the advertisements has increased significantly in the past year.

National awareness of beef advertising increased from 14 percent (March 1984) to 20 percent (February 1985). Most of those aware of the advertising claim to have seen it on television.

The survey also showed that those consumers who are aware of the campaign's advertising and in-store materials hold attitudes more favorable toward beef than consumers unaware of the campaign.

AUTO RECORD REPEAL PASSED

Latest word is that the U.S. House and Senate have passed legislation repealing contemporary record-keeping requirements for mixed-use vehicles. The House version requires IRS to return to adequate records requirements for calendar year 1985, although starting January 1, 1986, taxpayers will be required to provide some form of written records to corroborate business use. The Senate version is retroactive to January 1, 1985, and doesn't contain reporting requirements as stringent as the House version. The legislation was to be considered by a conference committee following the Easter recess.

Join Your Local County Cattlemen's Association
When Should You Sell Your Calves?

Just exactly when should you sell your calves to get the most dollars out of them? Nobody can possibly know for sure. But your market manager is likely to have a pretty good idea of what the prospects are—both in good and bad market times—because he spends a lot of time talking to other cowmen, both at the market and in the country. Then too, he follows the national trends of the cattle business very closely.

Perhaps one year he'll advise you to sell early, even though your calves are light, figuring that a stocker, or rodeo or veal market will net you more dollars in the long run than holding the calf until fall when he may hit the market along with many thousands of other calves.

What will he say this year? His answer may vary from week to week—but it will always be based on his own good, practical knowledge of marketing. You should take advantage of your local market manager's advice—whatever type of stock you're selling. It'll pay!

The Auction Market Way is the Best Way!

CONTACT ANY OF THESE MARKETS, ALL MEMBERS OF THE STATE ASSOCIATION

West Florida Livestock Market*
Sale Every Thursday
Gary D. George
Ph. 904/482-2229, 482-8684
MARIANNA, 32446

Ocala Livestock Market*
Hog Auction Every Tuesday
Cattle Auction Every Wednesday
Gene Babbit, Owner/Gen. Mgr.
Ph: 904/732-4454
OCALA, 32674

Cow Palace*
Sale Every Sat.
Robert L. Walker, Wayne Bass, Mgrs.
Ph. 813/858-8253
LAKELAND, 33802

Monticello Stockyard, Inc.*
J.N. TUTEN
MONTICELLO, 32344

No. Fla. Farmers L/S Market*
Cattle, Hog Auction Every Wednesday
Special Stocker Cow Sale
4th Saturday each month
T.W. Waldrop, Owner 904/755-3576
LAKE CITY, 32055

Kissimmee Livestock Market
Auctions Every Wednesday
Johnny Bronson, Mgr.
305/647-3521

Columbia Livestock Market*
Hog Auctions Every Monday
Cattle Auctions Every Thursday
John D. Will, Mgr., Ph. 904/755-2900
LAKE CITY, 32055

Arcadia State Livestock Market*
Auctions Every Wednesday
Kay L. Kelly, Mgr.
Ph. 813/494-3737, 1808, 3250
ARCADIA, 33821

Chipley Livestock Company*
Auctions Every Tuesday
E.D. (Buddy) Neel, Mgr.
Ph. 904/638-0267, 638-4498
CHIPLEY, 32428

Gainesville Livestock Market, Inc.*
Cattle Auctions Every Mon.
Feeder Pigs 1st & 3rd Friday
Mgr. L.H. (Tommy) Thompson, Jr.
Ph. 904/372-3442
GAINESVILLE, 32601

Tindel Livestock Market*
Auctions Every Monday
Clyde Crutchfield, Mgr.
Ph. 904/263-3224
GRACEVILLE, 32440

Jay Livestock Market*
Auctions Every Tuesday
Horace McCurdy, Mgr.
Ph. 904/675-4765
JAY, 32555

Cattlemen's Livestock Markets*
Monday * Sales * Tuesday
Bill Hamilton, Mgr.
Tampa 813/626-5164 * Lakeland 813/665-5088
TAMPA, 33609 and LAKELAND, 33802

Okeechobee Livestock Market
Auctions Every Monday & Tuesday
Pete Clemons, Mgr. * Ph. 813/763-3127
OKEECHOBEE, 33472

Hardee Livestock, Inc.
Auctions Every Monday
Mgra: Doyle Carlton, III, Robert Ray Smith
Phones 813/773-9747, 773-9560
WAUCHULA, 33873

Interstate Livestock Market
Auctions Every Tuesday
813/689-2424, 689-5995

Sumter County Farmers Market
Auctions Every Tuesday
Tommy Hooten * Ph. 904/793-2021
WEBSTER, 33597

Jacksonville Livestock Auction Market*
Auctions Every Monday
T.W. Waldrop, Owner 904/781-4677
WHITEHOUSE, 32095

Madison Stockyard, Inc.*
Hogs—Monday, Cattle—Tuesday
George Townsend, Mgr.
904/973-4094, 929-4605
MADISON, 32340

Big Bend Livestock Market*
QUINCY, 32351

*—Indicates Subscriber to Livestock Marketing Association

For Further Information about Florida Livestock Auction Markets, Contact

Florida ASSOCIATION OF LIVESTOCK MARKETS
P.O. Box 1403, Kissimmee, FL 32741

THE FLORIDA CATTLEMAN / MAY 1985 / 39
Premier winners named for 1984–85

Six breeds win honors at Florida open shows

Winners of premier open beef show competition for the 1984–85 season will again receive awards for the 29th consecutive year. Plaques will be awarded to the winners at Gainesville on May 2, during the Beef Cattle Short Course.

Top competitors were determined by a system where points were earned by individual show animals winning championships at open livestock shows held in Florida from October, 1984, through March, 1985. Points for each breed are figured separately and no attempt is made to compare breeds.

The competition is open to breeders from Florida and other states, but points are earned only at Florida shows.

The awards are not meant to name a superior animal or exhibitor, but simply recognize those animals and exhibitors earning the most points under The Cattleman’s system of scoring.

The Northeast Florida Fair at Callahan was the first show of the 1984–85 season. The Putnam County Fair, Palatka, held in late March, was the last show of the season.

Winners of the individual and exhibitor competition follow:

Angus

The premier Angus female for the season is Long Branch Miss Woodrow 81, owned by Tommy Lee of Long Branch Angus, Hilliard.

Premier Angus bull is Wildwood Highrise RN03, owned jointly by Blackshadow Angus Farms, Zephyrhills, and Wildwood Acres, Rome, Georgia.

Blackshadow also took the premier Angus exhibitor competition for the year.

Brahman

W.H. Stuart Ranch, Bartow, won premier Brahman exhibitor honors for the season, while another Bartow breeder, Jack James Farms, had the premier Brahman bull, Emperor Toro 83/42.

Ron Salo, West Palm Beach, a new comer to the purebred Brahman business, had the premier Brahman female, JJ Didor 440.

Brangus

Premier Brangus female honors were
HARLOFF Limousin showed the 1984-85 premier Limousin bull of Florida.

POLLED Hereford premier bull for the 1984-85 season was shown by M.W. Hall and Auburn University.

ROSS BROTHERS had the premier Santa Gertrudis bull of Florida for 1984-85.

won by Miss BB Jose 302 P11, owned by Dorignac Brangus, Bush, Louisiana. Power of Brinks won premier Brangus bull honors for owner Circle Bar Brangus, Foxworth, Mississippi.

Englewood Farm, Seminary, Mississippi, took the premier Brangus exhibitor competition.

**Limousin**

Harloff Limousin, Bradenton, took the premier Limousin award for the second straight year, and won the premier bull competition with Big Splash.

Prine Limousin, Lithia, had the premier Limousin female for the season, 14 Karat.

**Polled Hereford**

Premier Polled Hereford exhibitor is River Divide Ranch, Bryceville, owned by Bob Reed, and managed by Dean Bush.

Premier Polled Hereford female is SCR Victoria V81311, owned by Spring Creek Ranch, Villa Rica, Georgia. The premier bull competition was won by Ambition 561, owned jointly by M.W. Hall, Midway, Alabama, and Auburn University, Auburn, Alabama.

**Santa Gertrudis**

For the third year in a row, Stage Coach Ranch, Dade City, won the premier Santa Gertrudis exhibitor award. The ranch is owned by Van and Julia Pittman and managed by Robert Sanders.

Ross Brothers Farm, Branford, continued to add to their long list of premier winners by showing the season’s premier Santa Gertrudis bull, RB 242.

Premier Santa Gertrudis female was Miss Nine Bar 325, owned by ABCO-Tyger Ranch, Buffalo, South Carolina.

**Our point system**

Points are earned by all winners of championships at each show. Four points are earned by grand champions, and three points by reserve grand champions. Division champions (junior and senior champions, intermediate and calf champions) receive two points, and reserve division champions receive one point.

Once the points are tabulated for an individual at one show, the number of points earned are multiplied by the total number of entries of that breed in the show. Thus, the larger the show, the more points a winner will receive.

A show must include at least 10 head of a breed and have a minimum of two exhibitors competing to be eligible for premier points. All shows must also follow rules and uniform classes outlined by the respective national breed associations to be counted in the premier competition.

**THE FLORIDA CATTLEMAN / MAY 1985 / 41**
In an appearance before the Senate Agriculture Committee, the NCA president informed the group that in the area of foreign trade, NCA will focus on enforcement of the U.S. Meat Import Law and work toward reducing foreign trade restrictions. Smith emphasized this point in response to a question by Senator Howell Heflin of Alabama in her reply that NCA “will back beef exports.”

Another issue the directors voted to give high priority was to give agriculture producers clear title to agriculture products. Commodity buyers are subject to double payment if the seller defaults on a loan. It was noted that federal legislation is needed to make clear title laws uniform in all states and to give commodity buyers clear title.

Reducing the government’s role in agriculture was also made a top priority with the association’s policy calling for a market-oriented farm policy with commodity prices determined by supply and demand.

Representing FCA at the Washington session were Joe Marlin Hilliard, Clewiston, president; Derrill S. McAteer, Brooksville, first vice president, and Jim Flanagan, executive administrator, Kissimmee.

NCA directors meet in D.C.

NCA’s board of directors headed by President Jo Ann Smith, met in the nation’s capital March 19-22 and gave approval to 17 key issues as having top priority in the association’s efforts on public issues. Top priority was given reducing government spending—which would reduce interest rates for agriculture—in the coming months.

In an appearance before the Senate Agriculture Committee, the NCA president informed the group that in the area of foreign trade, NCA will focus on enforcement of the U.S. Meat Import Law and work toward reducing foreign trade restrictions. Smith emphasized this point in response to a question by Senator Howell Heflin of Alabama in her reply that NCA “will back beef exports.”

Another issue the directors voted to give high priority was to give agriculture producers clear title to agriculture products. Commodity buyers are subject to double payment if the seller defaults on a loan. It was noted that federal legislation is needed to make clear title laws uniform in all states and to give commodity buyers clear title.

Reducing the government’s role in agriculture was also made a top priority with the association’s policy calling for a market-oriented farm policy with commodity prices determined by supply and demand.

Representing FCA at the Washington session were Joe Marlin Hilliard, Clewiston, president; Derrill S. McAteer, Brooksville, first vice president, and Jim Flanagan, executive administrator, Kissimmee.

NCA directors meet in D.C.

NCA’s board of directors headed by President Jo Ann Smith, met in the nation’s capital March 19-22 and gave approval to 17 key issues as having top priority in the association’s efforts on public issues. Top priority was given reducing government spending—which would reduce interest rates for agriculture—in the coming months.

In an appearance before the Senate Agriculture Committee, the NCA president informed the group that in the area of foreign trade, NCA will focus on enforcement of the U.S. Meat Import Law and work toward reducing foreign trade restrictions. Smith emphasized this point in response to a question by Senator Howell Heflin of Alabama in her reply that NCA “will back beef exports.”

Another issue the directors voted to give high priority was to give agriculture producers clear title to agriculture products. Commodity buyers are subject to double payment if the seller defaults on a loan. It was noted that federal legislation is needed to make clear title laws uniform in all states and to give commodity buyers clear title.

Reducing the government’s role in agriculture was also made a top priority with the association’s policy calling for a market-oriented farm policy with commodity prices determined by supply and demand.

Representing FCA at the Washington session were Joe Marlin Hilliard, Clewiston, president; Derrill S. McAteer, Brooksville, first vice president, and Jim Flanagan, executive administrator, Kissimmee.
GATOR GRAZER PLUS®
QUALITY FORAGE AT AN ECONOMICAL PRICE

A new Triple Cross sorghum-sudangrass hybrid developed for high yields of nutritious, highly palatable forage. The sweet, juicy, succulent, leafy plants of Gator Grazer Plus® are relished for grazing, green chop, or high quality hay. Gator Grazer Plus® is high in protein and total digestible nutrients. Highest quality forage is achieved when plants are cut or grazed from 4 feet to the boot stage. During this period, utilization by livestock is also best. Excellent seedling vigor gets Gator Grazer Plus® off to a fast start. After grazing or cutting, the hybrid regrows quickly. Also excellent for use as a cover crop or soil builder.

ALSO AVAILABLE FOR SUMMER PLANTING

GATOR GRAIN HYBRID SORGHUM
CATTLEMAN’S CHOICE HYBRID SORGHUM-SUDANGRASS

- Browntop Millet
- Tifleaf Millet
- Dove Prosco Millet
- Alyce Clover
- Hybrid Field Corn
- Hairy Indigo
- Sesbania
- Pensacola Bahia
- Argentine Bahia
- Hybrid Sweet Corn

FULL LINE OF VEGETABLE SEED
Call Now
904-732-4211 FLA 1-800-342-9923
Animal Health

Time to treat inhibited Ostertagia

Cattle producers in the U.S. have a management tool they have never had before—a means of effectively treating their cattle for the inhibited stage of the brown stomach worm, *Ostertagia ostertagi*.

Parasitologists consider the brown stomach worm one of the most damaging of all cattle parasites, and until now one of the most difficult to control. With the introduction of Ivomec® (Merck & Co.) (ivermectin) 1% Injection, cattle producers can control not only the adult, but the inhibited and developing larvae of this deadly parasite.

Heavy injections can cause not only reduced efficiency, but diarrhea, rapid weight loss, anemia and even death if not controlled.

The inhibited, or dormant, larval stage makes the brown stomach worm difficult to control. If larvae infect cattle shortly before extreme weather conditions set in—a hot, dry summer, for example, or a particularly cold winter in northern climates—the larvae burrow into the gastric glands of the stomach and "hibernate" for weeks or months until weather conditions become more favorable to their continued development. During this period of interrupted growth, the larvae are affected by very few standard worming products.

The effectiveness of most wormers against the brown stomach worm depends upon the parasite following a normal life cycle instead of the inhibited cycle. In the normal cycle, the larvae continue to develop while burrowed in the gastric glands; upon emerging, they become adults, mate and lay eggs that are deposited on pasture in the feces. The eggs hatch into larvae to begin the cycle all over again when they are eaten by grazing cattle.

However, it is the gap in the cycle, when the larvae go dormant, that most wormers miss. When the inhibited larvae resume development and emerge all at once, their damage to digestive tissue is massive. Although wormers are effective if administered at the time larval growth is resumed, no one can predict when that will happen. Larvae do not give advance notice of their emergence; all of them may not even mature and emerge at the same time, thus presenting an extended period of active infection.

Ivomec eliminates the guesswork and the need for several treatments, by paralyzing and ultimately killing all stages, including inhibited larvae, of the brown stomach worm. In addition, Ivomec controls other commonly occurring roundworms, lungworms and many external parasites such as grubs, lice and mange mites with a single injection.

Veterinary specialists recommend treating with Ivomec at least twice a year in the spring/early summer, and in the fall. The product should be incorporated into a complete parasite control program which includes good pasture management.

The goal of such a program is to prevent the build-up of severe parasite infections. To accomplish this, avoid grazing young, susceptible stock on contaminated pastures. Levels of contamination can be reduced by keeping stock off the pasture, and using the land to harvest hay, alternating grazing with row crops and grazing older, dry cows on contaminated pastures.

Florida sugar crop good

The Florida sugar industry ground almost 13 million tons of sugarcane from 370,000 acres to produce 1.4 million tons of raw sugar during the 1984-85 season, according to Dalton Yancey, executive vice-president of the Florida Sugar Cane League.

"We had a very good crop despite the January freeze that was experienced in the Everglades agricultural area," he said. "Mother Nature was good to us. However, our record production has not brought us record profits. Prices for the farmers' sugar is less than last year. Our farmers are being caught in a price squeeze of higher producers' costs and lesser returns," he said.

The harvest season began October 15 with all seven processing mills to complete operations March 22. Last season, sugarcane farmers produced 1.22 million tons of sugar from 360,000 acres. Florida's sugarcane crop produces 24 percent of the sugar consumed in the U.S. Florida is the largest sugar producing state.

U.S. inventory of cattle and calves smallest since 1968.
Rowe & Son’s Fifth Annual

CLUB CALF SALE

SATURDAY, JUNE 2, 1985

AUCTION 1:00 p.m.

A select group of approximately 60 quality steers selected from championship proven herds and from some outstanding new herds.

Angus, Angus-Simmental cross, Angus-Limousin cross, Angus-Chianina, Hereford-Simmental cross, Charloais cross, and others.

Our business is built on honesty, desire for children to win. Help from beginning to end.

At Polk County Youth Fair our calves have won Grand or Reserve Champion 4 out of the last 5 years. Out of 46 calves shown at Polk in the last two years that were purchased from us 32 won blue ribbons. Three of the six class winners at Desoto County Fair in 1985 were ours. At the 1985 Florida State Fair we have 1st, 2nd, & 4th place in weight and gain, and 3rd & 5th in the carcass contest.

EXTRA! EXTRA!

We have been combing the country side throughout the Southeast to offer you the best group of calves ever assembled in Florida. We also have some Polk bred steers from guest consigners. These are calves you can Win with if you have the desire to Win.

FLORIDA STATE FAIR weight and gain winner

Example of our calves

Take Exit 20 from I-4 or SR 33 from Lakeland to Voyles Loop Road. Sale on left.

For more information

ROWE & SONS

784 Bryan Lane
Auburndale, Florida
(813) 984-1323 (813) 683-5016
COME EARLY
Lunch & Refreshments available by Polk City Community 4-H
BUILD A BETTER MINERAL AND THE WORLD WILL BEAT A PATH TO YOUR DOOR
See these participating PASTURE PLUS™ dealers for your free mineral product.
(Offer On Inside Front Cover)

Nutrena, Feed Division
Manufacturer of PASTURE PLUS™ Minerals
4014 40th Street, Tampa, Florida 33601
(813) 626-5171
Animal Health

Animal drugs and residues: what's illegal, what's not

When livestock specialists discuss "illegal drug residues," you might wonder why the word "illegal" is included. Aren't all drug residues illegal?

The answer is no, and the reason why some residues are legal and some are not helps explain why U.S. meat, dairy and poultry products are wholesome and safe, according to the Animal Health Institute, the national trade association for manufacturers of animal drugs and feed additives.

By the time a new animal drug is put on the market, drug manufacturers have invested millions of dollars to thoroughly test its safety and effectiveness. This is done to be sure that, when used according to label directions, it will produce the effects livestock producers need, and create no hazard to consumers of food from the treated animals.

For many drugs, a minute amount of residue in meat, dairy or poultry products is acceptable and safe if it's within tolerances established by the Food and Drug Administration (FDA), the agency that regulates the safety aspects of animal drug use.

Here's a brief description of the tests all animal drugs undergo before they are made available to livestock producers:

Human safety first priority: When a new animal drug is being developed, the drug manufacturer makes human safety considerations—including residues—the first priority. New animal drugs for use in food-producing animals must meet standards in the following areas:

Safe levels: A variety of tests determined the effects of various levels of the drug. They include studies that use a range of dosage levels on laboratory test animals (some for the lifetime of the animals) to determine the amount of drug it takes to produce an effect on the animal's system. In addition, multi-generation studies may be used. Through these tests, a "no-effect" level is found—the level at which there is no effect on the animal's system.

FDA establishes a tolerance level for drug residues in food, based on the drug's "no-effect" level. FDA's requirements are very conservative, and provide a wide margin of safety to humans.

Generally, the tolerance level for residues of a drug that may be present in the meat eaten in a day by the average consumer cannot be more than 1/1000 of the drug's "no-effect" level. If the drug is particularly safe, and the manufacturer can provide FDA with additional assurances of the drug's safety, the tolerance level may be increased to 1/100 of the no-effect level.

Withdrawal Requirements and Residue Testing: If the drug creates above-tolerance residues while the animals are being treated according to label directions, the manufacturer may establish a withdrawal time to assure that the treated animal will not be marketed for food purposes until excess levels of drug residues are eliminated. The withdrawal time for a particular drug is that period, prior to slaughter, when the drug may not be administered to the animal.

In addition, the drug manufacturer develops a testing method for residues. This is a test designed for use by the USDA for testing livestock, dairy and poultry products to check for the possible presence of illegal residues.

Labeling: Labels for animal health products sold over-the-counter are written by the manufacturer and approved by the federal government. The labels provide livestock producers with complete and readily understandable information about which animals may be given the drug, what diseases it will treat, how it should be used, and if there are any warnings, cautions or withdrawal times that must be observed.

Illegal to market animals with above-tolerance residues: Concern about the proper use of animal drugs does not stop after a product is on the market. It is illegal to market livestock, milk or eggs with drug residues above the established tolerance levels. Livestock and poultry products are monitored by USDA to guard against possible misuse of animal drugs and illegal residues.

If illegal residues are found, an entire shipment of animals may be held for additional testing by USDA. And, future shipments may be held off the market until tests show that drug withdrawal times have been observed and no illegal residues remain. Federal law also provides for fines and punishment for livestock producers who market animals with illegal residues.

There are more far-reaching problems associated with illegal residues. Illegal residues, created by drug misuse, accidental cross-contamination of feed or other unforeseen factors, may prompt drug regulators to review the products and their use by livestock producers. The eventual result may be FDA-imposed restrictions or bans on misused products. This can create a tremendous economic loss for livestock producers—who need animal drugs to maintain and improve the health and productivity of their animals.

Another damaging result of illegal residues may show up at the supermarket. Although USDA inspectors have found a very few, isolated cases of illegal residues, news reports of these findings tend to erode consumer confidence in the safety of our food supply. Of course, no one in the livestock or drug industry can afford the consequences of that.

Livestock producers provide the U.S. with an abundance of wholesome, safe meat, dairy and poultry products. This productivity is due, in part, to their careful use of animal health products. Because of the rigorous testing these products undergo, consumers and producers alike can be sure that animal drugs are safe for use in food animals—when these products are properly used according to label directions.
FIATC sets 15th annual trade show

The 15th annual Florida International Agricultural Trade Show will be held in Tampa, May 9-10. The event is a joint venture of the Florida International Agricultural Trade Council (FIATC) and the Florida Department of Agriculture & Consumer Services.

The show will be held at the State Fairgrounds and social gatherings and dinner will be held at the new Lincoln Hotel in Tampa.

Commissioner of Agriculture Doyle Conner points out both organizations have been working once again very hard to ensure that every avenue is explored to locate and bring international buyers to Tampa.

G.T. Stack, Tampa, FIATC president, has met with his directors and the department staff on several occasions outlining areas to improve upon from last year's event.

A reception will be held for the Latin visitors the evening of May 8 at 7:30 p.m. in the headquarters hotel. The annual banquet and awards presentation will be held the following evening.

Glenn Smith joins Charolais sales firm

Glenn Smith, Macon, Georgia, former Southeastern field representative for Beef Week, has joined a purebred Charolais syndicate sales firm consisting of Designers Charolais, Rapid City, South Dakota; Royal Charolais, Greensburg, Pennsylvania; Wescon Charolais, Koshkonong, Missouri; and Windy Hills Charolais, Commerce, Georgia.

Smith will be one of two representatives covering the U.S. and Canada. The firm will specialize in purebred Charolais cattle sales and semen sales.

Windy Hills has Houston champion

Windy Hills Charolais Ranch, Commerce, Georgia, was part owner of the grand champion Charolais bull at the 1985 Houston Livestock Show, Houston, Texas.

The bull, Immortal, a May 1983 son of ABC Iceman 811, is jointly owned by The Designers, Rapid City, South Dakota, and Bermdikin Farm, Wagener, South Carolina.
Practical tips to ensure proper use of animal drugs

It's a pretty good value when you can save three dollars by spending one dollar. That, on the average, is what the proper use of animal drugs means to livestock producers, according to a recent study by the Animal Health Institute.

But the key to that savings is the word "proper." If animal drugs aren't used according to label directions, the outcome might not be as favorable. The products might not produce the desired results. Or illegal drug residues might be detected in the meat, milk or eggs, leaving the producer open to condemnation of his product, and possibly prosecution or fines.

A nationwide effort is underway to help producers use animal drugs properly and avoid residues. It's known as the "Residue Avoidance Program" (RAP) and it has been funded by USDA. Much of the fieldwork is being done by state Extension Service agents. The Animal Health Institute, the trade association for animal drug manufacturers, and other livestock industry associations are cooperating in the RAP education and information projects.

Among the materials issued so far are a series of leaflets published by Iowa State University's Cooperative Extension Service. Based on information in these leaflets, here is some information about one possible source of residues, and practical tips on how to avoid them:

Preventing residues in feed handling systems: Each piece of equipment used to store and convey feedstuffs represents an opportunity for the feed to be contaminated by residues of medicated feeds or drugs containing dust, which could lead to residues in unmedicated, withdrawal-fed feeds.

Storage: Depending on the slope of a bin's hopper bottom, medicated feed may attach to the sidewalls and break loose in the next batch of feed. If these feed residues contain animal drugs, the potential for drug carryover exists.

To prevent this, whenever there's a change in the kind or amount of medication, bins should be completely emptied and checked for old feed. Any feed residues should be removed and disposed of—not fed, because it may be moldy.

Other simple, but often overlooked tips: paint a number, letter or feed name on each bin so that hired help or delivery truck drivers won't mistakenly put medicated feed in the withdrawal feed bin. Where several bins share a common wall, periodically inspect the wall for holes that may allow feed to flow between bins. Make similar inspections of auger housings that pass through bins. Make sure dust from medicated premixes and feeds doesn't settle on unmedicated or other feeds.

Conveyors: In typical screw augers, there's a gap between the screw flights and the housing to prevent undue wear on the edges of the flights and the housing. But this gap may allow a layer of feed to remain in the conveyer even though no more feed comes out the discharge end. These residues usually come out when the next batch of feed goes through. Depending on the length of the auger, a considerable amount of medicated feed may be carried over and discharged into the next batch.

So make a habit of flushing augers with a few bushels of unmedicated feed or shelled corn. Be sure that the material used to flush the conveyer is fed to animals currently on medicated feed, or to animals not going to market.

Whenever mixed feeds are handled or processed, particles of different sizes may separate, or segregate. To prevent feed contamination, the operator should prevent feed contamination depend on the system—dust collectors (cyclones) may be needed in bins, for example. Take special care that the pneumatic coupling locations are clearly labeled so that there's no mistaking which bins are being filled.

Because any feed delivery system can have low spots where feed can collect, it's recommended that withdrawal feeders be placed at the far end of auger runs, or even on separate systems. Serious problems can occur even with slight amounts of contamination—as little as one pound of medicated feed in 100 pounds of unmedicated feed may contribute to drug carryover and illegal residues in marketed animals.

Feeders: Hopper-type feeders can have the same carryover problem as feed storage bins—old feed might stick to the innerwalls and crumble off when new feed is added. Again, it's wise to completely empty feeders and inspect for feed residues whenever changes are made in kinds or levels of animal drugs, or to non-medicated withdrawal feeds.

In drop or floor feeding systems, check for any build-up in corners of feeders due to overfeeding. That's a potential source of drug residues, too.

Segregation: Depending on particle shape, size and density, feed components may segregate when handled or processed. Feed mixers work to improve the stability of feeds by adjusting the mixing process or adding other ingredients. Some very fine particles may stick to equipment because of static electricity. Properly grounding electrical mixing and delivery equipment is one way to combat this problem.


Many state and local extension services are participating in the Residue Avoidance Program—and all can provide assistance in recognizing and correcting the potential sources of illegal residues.

Farm suppliers and feedmixers can also provide information about the proper use of the products they sell. In addition, technical representatives for animal health product manufacturers can be reached through your local farm supplier, or by contacting the company's headquarters, identified on product labels.
Straight Talk About Fly Control
It takes an all-out control flies and what it takes.

The Facts

Best in the Business: Ectrin® Insecticide Cattle Ear Tags are still the most effective ear tags you can buy. The only tags that have proven themselves year after year. SDS Biotech was the first to introduce the insecticidal ear tag method with the Rabon® Ear Tag. Year after year new ear tags have come and gone, but only one company has offered you an ear tag since the beginning. A tag that stays on, saving you time, labor and money.

Dollars and Sense: Ear tags have not only allowed you to save time, money and labor but their use has allowed researchers to evaluate the economic advantages of effective fly control. Tests* in recent years on ear tag use have demonstrated: an average of 27½ pounds per animal increase; an increase of $16.76 per animal at sale; an average of 4.1% weight increase per day advantage over non-tagged stock. The development of insecticide ear tags has saved producers hundreds of millions of dollars in otherwise lost revenue in meat and milk production.

The answer to total fly control

The ear tag was the first mechanism by which livestock pests could be continually pressured by a uniform level of pesticide. Past methods of control overwhelmed the pest population and then allowed it to gradually come back to significant levels before another treatment was made. The ear tag overwhelms a susceptible fly population upon application, but there is some point in time when a certain percentage of the fly population survives. It is the offspring of these survivors that overwinter and seed the population the following spring. Everyone who has a stake in pest control recognizes that this can cause a serious problem.

The Program is the Solution: How do you find a solution to fly control? First, there is no single answer, no cure-all chemical or miracle device. Livestock entomologists have stated that no single fly control product can do the job. The solution is Ectrin Ear Tags along with Rabon Oral Larvicide and our organophosphate sprays, Ravap® and Ciowap®, which gives you the most effective and comprehensive integrated pest management program.

STEP 1: Start feeding Rabon Oral Larvicide in the spring, before flies first appear and continue feeding throughout the summer and into fall until cold weather restricts fly activity. The proper feeding period will vary with climate and should be determined by the emergence date of flies from previous years.
STEP 2: Once horn fly populations reach economic levels* in the spring, spray with Ravap or Ciovap. Fly populations going into hibernation in the fall have had maximum exposure from pesticides. The elimination of this overwintering population in the spring with a timely spray application will help reduce fly population buildup. This spray application will delay the onset of an economic population of horn flies and allow maximum control from an Ectrin Ear Tag application.

STEP 3: Apply two Ectrin Ear Tags per animal once fly populations return to economic levels.* It is mandatory that all animals in the herd be tagged. While research has shown that tagging as few as 30% of the herd will provide good control, in effect this is a sub-lethal treatment and is not recommended.

But even if Step 1 or Step 2 cannot be followed, wait until spring fly populations approach the economic level* before Ectrin Ear Tags are applied. Some producers tag early in the year, when in fact the fly season doesn't really become a problem until mid-May. Tags are designed to release pesticide for five months, usually getting the normal fly season. But if applied too early, not only is the most effective control period wasted (first two months) but the end life of the tag is also shortened. It is important to apply tags in response to flies already present and not in anticipation that the flies will be coming.

STEP 4: If tags begin to fail before the fly season ends, remove them and start alternative control methods. Forced use of Rabon dust bags, or back rubbers charged with Ravap or Ciovap are quite effective. The other alternative is to spray the animals, according to label directions, with Ravap or Ciovap. It is important to remove the tags from the herd when flies become present regardless of when they appear. This will eliminate further selection, and give alternative treatments a chance to overcome the fly population, which would not be possible if the tags were not removed.

* 50 flies per animal.

Our 1985 Season Guarantee: SDS Biotech warrants that the products identified on the next page conform to their labeled chemical description and are reasonably fit for the purpose stated on the label when used in accordance with directions under normal conditions. Buyer (user) assumes the risk of any use contrary to such directions or under other conditions.

We guarantee that if the SDS Biotech products identified on the next page are used the entire season and if the prescribed SDS Biotech Integrated Pest Management Program and individual product label directions are followed for an entire season under normal conditions, fly control will be achieved.

If fly control is not achieved, upon mutual agreement between SDS Biotech and the Buyer (user), SDS Biotech will reimburse the Buyer (user) for those SDS Biotech Pest Control Products used in the program during the season. At SDS Biotech’s election, reimbursement may be either monetarily or with replacement SDS Biotech product. In either case, such reimbursement will not exceed the cash value of the original product/products.

This guarantee is null and void if any of the conditions stated above are not adhered to for a complete season.

There is no warranty that the products shall be merchantable or fit for any particular purpose, nor is there any other warranty, express or implied, except as expressly stated above.
The Products

Ectrin Insecticide Cattle Ear Tag

    The best insecticidal ear tag in the business controls susceptible Horn Flies, Face Flies, Gulf Coast and Spinose Ear Ticks, and aids in the control of Lice, Stable Flies and House Flies.

    They're available in boxes of 24 plus 24 male buttons for attachment and also in a pail containing 96 tags and 96 male buttons.

Rabon Oral Larvicide

    Rabon Oral Larvicide can be fed in premixed feeds, blocks or mineral formulations. Once fed, it passes through the animal's digestive system into the manure where it kills fly maggots on contact after the eggs hatch.

    Rabon Oral Larvicide controls larvae of all four species: Horn Flies, Face Flies, House Flies and Stable Flies.

Ciovap

    This organophosphate spray is especially effective on both beef and dairy cattle against biting flies and nuisance flies. Ciovap controls Horn Flies, Face Flies, Stable Flies, House Flies plus Lice, Winter Ticks, Lone Star Ticks and Chorioptic Mites. Ciovap is also recommended for use with face/back rubbers.

Ravap E.C.

    An organophosphate spray that combines the killing power of both Rabon and Vapona for first-rate control of Horn Flies and Lice (including Tail Lice) and Lone Star Ticks. Ravap also aids in the control of Face Flies, and can be used with face/back rubbers.
Youth steer shows

Youth livestock shows continued to show active growth at the 1985 winter and fall events held throughout Florida.

Winners at some of the shows, compiled from several sources, are reported below. Results were compiled from information received from show officials, county extension offices, and The Cattleman staff.

Tampa champion brings $4.40

The grand champion youth steer at the Florida State Fair, Tampa, was purchased by Kash N' Karry, Tampa for $4.40 per pound. The 1250 pound Angus crossbred was exhibited by Shawn Johnston, Homosassa. Pete Peterson, Paul Williams and Mike Russell represented Kash N' Karry at the auction.

The reserve grand champion steer, shown by Laura Milicevic, Clewiston, was purchased by Ocala Livestock Market, Ocala, for $2.25 per pound. The reserve champion was a 1280 pound Simmental-Charolais-Angus cross. The Ocala Livestock Market was represented by Gene and Carol Babbitt.

A total of 91 steers were sold for prices varying from $1.00 per pound to $4.40 per pound.

Publix Markets was the volume buyer. The company, which has been a strong supporter of the event for many years, purchased 30 steers. Lykes Brothers Packing Company was also a volume buyer at the event.

Suwannee River had nearly 1000 competing

Nearly 1000 4-H and FFA members from Levy, Gilchrist and Dixie counties competed for awards and ribbons at the 1985 Suwannee River Fair and Livestock Show, held March 19-22 at Fanning Springs, according to John Baldwin, Bronson, general superintendent of the event.

The highlight of the fair was the steer and swine show and sale which grossed $236,436.45.

The steer sale grossed $14,738.20 on 100 head. Tammy Mathews, Chiefland Senior FFA, showed her 1242 pound steer to grand champion honors. The steer was purchased by Publix Markets for $3.20 per pound.

The reserve grand champion, a 1242 pound steer, was shown by Brad Smith of Bell FFA. Publix also purchased this steer for $3.50 per pound.

The swine show and sale included 209 entries and grossed $89,057.25. The 205 pound grand champion, exhibited by Michele Minton of Clover Junction 4-H Club in Levy County, was purchased by Gro-More Farm Center, Trenton, for $7.75 per pound.

The 200 pound reserve champion, exhibited by Robbie Cooper, Bronson FFA, was purchased by Lotoma Ranch, Chiefland, and Columbia Livestock Market, Lake City, for $5.25 per pound.

Ocala has strong show

The Southeastern Youth Fair, held recently at Ocala, produced one of the best youth steer show and sales ever held at the event, according to Jimmy Glisson, president of the Southeastern Livestock Association.

The sale saw 67 steers gross $151,083.10 to average $2.11 per pound, up 53 cents per pound from 1984.

All of the 67 youth steer exhibitors were Marion County 4-H and FFA members.

The grand champion steer, exhibited by David Swift, Ocala, was purchased by Ocala Breeders Sale Supply for $6.60 per pound. After the sale of the champion, Swift pledged all proceeds over $5.00 per pound would be given to the Florida 4-H Foundation. The champion weighed 1198 pounds.

Florida National Bank, Ocala, purchased the reserve grand champion for $6.75 per pound. The 1222 pound animal was exhibited by David Durst.

The champion Angus steer, shown by North Marion Foxes 4-H Club, weighed 1004 pounds, and was purchased by Publix Markets.

Hereford champion steer, shown by Lance Counts, weighed 1038 pounds and was purchased by Winn Dixie Stores for $4.75 per pound.

The Brahman cross champion steer, exhibited by Tobitha Bryant, weighed 1154 pounds and was purchased by Ocala Breeders' Sales for $3.25 per pound.

Indian River has first show

Indian River County's first 4-H Steer Show was held on January 29-30, 1985, at Vero Beach.

Greg Malone, Vero Beach, showed the grand champion steer, and Jon Alan Ames, Vero Beach, had the reserve grand champion.

The daily weight gain award was

THE FLORIDA CATTLEMAN / MAY 1985 / 55
Marston Ranch
Quality Brahman
"Comparison Before Decision"
3508 Fort King Highway
Zephyrhills, FL 34243
813-782-3469

KABAR RANCH
H. O. Kennedy & Sons
13503 Ranch Rd.
Jacksonville, Fla. 32218
PH: 904/757-3643
Corner of I-95 and entrance of Jacksonville International Airport.

Glenn Sumner Ranch
Glenn Sumner, Owner 813/485-0084
Ron Harwell, Manager 813/634-7770
Rt. 7, Box 752, Riverview, FL 33569

ADOPT A WILD HORSE OR BURRO
Write: Bureau of Land Management,
U.S. Department of the Interior,
Washington, D.C. 20240
A public service advertisement

Without advertising, a terrible thing happens...

NOTHING.

Promote BEEF every day...
Support Your Florida Beef Council

Double C Bar Ranch
Rugged, Beef-Type Brahman

G. T. STACK & SONS
REGISTERED BRAHMANS
P.O. Box 1082
Brandon, FL 33511
Office & Ranch 813/689-3285
Home 813/689-3920

Exceptional Brahms
Santa Barbara Ranch
P.O. Box 821
Clewiston, Florida 33440
813/983-7773 (Office)

Gray & Red Brahms
Crescent O Ranch
Dr. A.E. Whaley
1360 Neptune Rd.
Kissimmee, FL 34743
305/847-3871 (Office)

Lucious Wilson
Homerville, GA 31634
(912) 487-2205 home
(912) 487-2156 office
Performance Tested Brahms

USDA wants to phase out acreage reduction programs under 1985 farm bill because those programs encourage production in other countries at cost of traditional U.S. markets, according to USDA officials.
Clyde & Betty Goudeau present their Embryo Produce of Dam

This Pair was Undefeated at 14 Major Shows Nationwide

Winners at the:
1984 World Brahman Congress, Houston, TX
1984 National Brahman Show, Dallas, TX
1985 National Brahman Show, Baton Rouge, LA
1985 International Livestock Show, Houston, TX

Their dam, 3H Dolly’s Opal 106, is still being flushed in our embryo program.

Their sire—JJ 269 is owned by Margie & Herman Rogillo, Forbes Ranch, Greenwell Springs, LA Ph. 504/261-2138. Semen available at private treaty.

Clyde & Betty Goudeau
Owners & Operators of:
Cajun's Cattle Service, Inc.
Osyka, Mississippi
Ph. 601/542-5066
Two major Brahman sales reported

Two of the Brahman breed's top consignment sales of 1985 were held in February with both showing good demand for the breed.

The International Brahman Sale, held at Houston, Texas, February 26, saw 22 and one-twelfth lots gross $132,850 to average $6016.

Sales officials of the Houston event reported that one and one-third embryo interest/or flush sold for $17,600; 15 females grossed $78,450 to average $5230; five and three-quarter bulls grossed $36,800 to average $6400.

Top selling lot went to Raimundo and Regina Riojas of Guatemala City, Guatemala. The sale toppper was a yearling bull consigned by Jim and Deb Nettles of Bay City, Texas.

High selling female went for $10,000. The pick of two embryo full sisters was the lot offered by Hudson Cattle Corporation, Bay City, Texas.

At the 1985 National Brahman Sale, 20 Brahman female lots grossed $68,650 to average $3433. The sale was held February 18, on the Louisiana State University campus, Baton Rouge, in conjunction with the 40th anniversary of the Louisiana Brahman Association.

High selling lot went for $7500 for a consignment from Watts Ranch, Frost, Texas, that sold to Jack Criswell, Houston, Texas.

Russell and Gwen Richard, Youngsville, Louisiana, were volume buyers, purchasing four head for $9800.

J.D. (Bubba) Sartwell, Sealy, Texas, was sale chairman for the Houston sale, and Duffy (Gerry) Marceaux, Jr., Kaplan, Louisiana, served as sale chairman for the Louisiana sale.

Barrel horse sale is set

Top Quarter Horse bloodlines will be featured in the 19th annual Colorado Women's Professional Rodeo Association Barrel Horse Sale on May 4, 1985, at Adams County Fairgrounds, Henderson, Colorado.

A total of 55 horses will be sold at the event including 42 five to twelve years old, plus some three and four years old.
Item One: Southwest Florida WMD Amends Rules

Section 40D-4.301 (2) of the SWFWMD surface water management rule sets design criteria and performance standards for new surface water management systems. The intent of this part of the rule is to establish a calculated pre-development peak discharge rate at some value generated under “normal” ground moisture conditions, and for that calculated value to be used as an upper limit in controlling the post-development peak run-off rate which in turn, governs the storage or detention capacity which has to be built into your system.

After having had some practical experience now in trying to implement the rule, it turns out that the existing language incorrectly expresses the intent by dictating that the simulated pre-development land conditions be placed in an abnormally high run-off condition by assuming all existing storage is full and therefore not available. The SWFWMD is proposing an amendment to the rule which will correct this wording, so that simulated pre-development ground moisture conditions will reflect normal or usual conditions rather than saturated conditions.

The SWFWMD staff should be complimented on their effort to correct the rule. If you are in the process of seeking permits, or if you are contemplating a new, or major renovation of an existing surface water management system, you need to be sure you or your engineer are aware of the rule change because it could save you money by not having to “over-build” your system.

Item Two—Jo Ann Smith to be Honored

Senator Karen Thurman (D-Inverness) and Representative Gene Hodges (D-Cedar Key) have introduced Special Resolutions in their respective chambers of the legislature honoring Jo Ann Smith for her personal accomplishments and contribution to the state and national beef industry.

Commissioner Doyle Conner has scheduled the same resolution for presentation by the Governor and Cabinet at their meeting on Tuesday, May 7. NCA President Smith is scheduled to be in Tallahassee for the ceremonies at the Cabinet meeting. It goes without saying that all Florida cattlemen share a certain pride in her achievements in support of our industry and extend their most sincere congratulations on a job well done.

Item Three—Mills’ Bill ’85

Representative Jon Mills’ long-awaited Growth Management bill (HB 287) is a 141-page package of three basic sections. It will surely undergo extensive change before passage, but how much and in what way is uncertain. As this is written, there have been almost 300 proposed amendments filed, and there are more in the works.

Part I of the bill is a major revision of the Development of Regional Impact (DRI) process. That process is aimed at big developments, but the sweeping character of some of the language does some things that are just plain foolish. An example is a provision that “...construction of any airport, runway, or terminal facility shall be...” a DRI. That makes sense if you are thinking about a major facility, but the language is so broad that you would be caught up in the DRI process if you put in, or lengthened, a grass strip on your ranch. A portable aluminum shed for your storage could also be included.

It seems as though the writers of the bill were not thinking “small enough.” FCA has submitted a proposed amendment which would resolve the problem, if adopted.

Development and environmental interests are basically in agreement that the existing system needs to be changed, but there are some unresolved issues. A major issue, which could cause the whole house of cards to come tumbling down is the question of standing, i.e., who’s got the right to sue. There is a lengthy intervention process described in the law, which the lawyers tell me pretty well follows applicable case law. Petitions go to the Governor and Cabinet and must follow grounds adopted as rules by the Cabinet. Those grounds have to include, at a minimum supposed inconsistency with the local comp plan, the state land development plan, any regional standard or policy adopted for DRI review and principles or regulations adopted for an area of critical state concern.

There is no “financial responsibility” clause in the standing section, so we’ve proposed an amendment which would require a petitioner to “post a bond sufficient for the payment of reasonable attorneys’ fees and other costs incurred or likely to be incurred by the recipient of the development order substantially due to the petition or appeal process.”

Part II of the bill is the “Coastal Protection” section, and it pretty well follows the language of similar measures in the Senate. There is also an extensive “coastal” element in Part III of the bill focusing on coastal barrier areas. The “coastal” segments of the bill are generally regarded as being pretty well put together, but will definitely prove costly to landowners in sandy beach areas due to its depressing effect on land values.

Part III of the bill is a major revision of the Local Government Comprehensive Planning Act (LGCPA), and it is the section of greatest interest and concern to agriculture. The simple reality of this bill, generally, and this part specifically, is that it effectively removes many of your basic rights tied to property, replaces your decision-making capabilities with several layers of bureaucracy and pre-supposes that they are better able to manage your land than you are.

This is the section of law dealing with local planning, except that with the proposed state plan and this revision of the LGCPA, it is no longer local planning. The state calls all the shots and second-guesses everything the locals do.

There are several other similar kinds of problems in the bill (some of which are existing law which takes on new meaning in the context of the state plan and revisions to the LGCPA), but the foregoing are enough to convey the sense of the bill.

As this is written, there are reports that the leadership is preparing to shelve the DRI and LGCPA portions and let the coastal part go through the process, but there is nothing firm yet.

FCA is working on several fronts to represent your interests, and forging new coalitions in the process. We will also find out who our friends are in the Legislature, and we will be ready and able to make strong recommendations as to who we want to help and oppose in the next elections.

—Patrick M. McCaffrey
Governmental Affairs Director
Registered Gray Brahmans

PARTIN & PARTIN
HEART BAR RANCH
Kissimmee, Florida
305/847-4846 305/846-2168

DIAMOND RANCH
Red & Speckled Brahmans
P. O. Box 836
WAUCHULA, FLORIDA 33873
Ph: 813/773-9450

Brahman Cattle
International Ranch
P. O. Box 1765
Clewiston, FL 33440
Ph: 813/983-7773

For Registered Red Brahmans in the Wiregrass
Grace Brothers Farm
Rt. 1, Box 300, Newton, Ala. 36352
Wallace & Larry Grace, Owners
Phones (205) 692-3223, 692-3536, 692-5679

Rocking B Ranch
Registered Red Brahmans
A few heifers and bulls for sale
Forrest L. Beach, Owner
904/463-2183
Jeffrey K. Beach, Mgr.
904/463-6092
P. O. Box 427, Trenton, FL 32693

T8 TICE RANCH T8
"Growthy cattle for growing profits in your herd"
Registered and Commercial
DAVID & JULIA TICE
Route 1, Box 300
Bartow, Florida 33830
Phone 813/753-7209

COWPE RANCH
Modern Grey Brahman and Brahmosin
Boyce H. Blackmon, owner
P.O. Box 2435, Sarasota, FL 33578
813/371-6462 or 923-4692

Stuart Ranch open house scheduled

W. H. Stuart Ranch, Inc., Bartow, has announced that its annual open house and field day will be held on Friday, May 17, 1985.

A select number of purebred Brahmans will be for sale at private treaty, and many of the ranch’s herd bulls will be on display.

The schedule will also include a junior Brahman showmanship contest for members of the Florida Junior Brahman Association.

Guests will be treated to an old-fashioned “Florida Steak Grill” at noon.

Speakers at the open house will be Wendell Schronk, executive vice president of American Brahman Breeders Association, Houston, Texas, and Vincent Matocha, ABBA’s director of association services.

Registration will begin at 9:00 a.m. The junior showmanship contest will start at 11:00 a.m.

ABBA elects Sloan Williams

Sloan Williams, Hungerford, Texas, is the newly elected president of American Brahman Breeders Association. The new president owns and operates V8 Ranch.

Florida Brahman breeder Marcus Shackelford, Wauchula, was elected vice president of the association. Bruce Lowrie, Fort Worth, Texas, was named secretary-treasurer.

G.A. Tucker, Rockledge, was re-elected to the ABBA board of directors. Also serving on the board from Florida are Ed Whaley, Kissimmee, and Mike Partin, Kissimmee.

Elections were held at the ABBA annual meeting, held February 22, at Houston, Texas.

AT THE Congressional reception in Washington, FCA President Joe Marlin Hilliard and Derral S. McAteer, FCA first vice president, talk with Congressman Buddy MacKay.
LIVESTOCK OUTLOOK

Fed cattle at Omaha averaged $59.58 in March, down 3.58 from February. Florida steers, Medium No. 1's, 400-500 lbs., averaged $66-73, down 2 from the previous month. Medium No. 1's, 600-700 lb. steers averaged $59-66, down 2 from February.

Florida Utility cow prices averaged $41-47 in March, unchanged from the previous month. Slaughter weight hogs in March averaged $41.05-44.56 in Lake City, Florida, and $44.47 in Peoria, Illinois.

The bottom line is: <Fed cattle prices should average $63-64 in May and $68-69 in the July-August.

Feeder cattle prices for Medium No. 1's 400-500 lbs. in Florida are projected to average $66-73 in May, and $64-71 in late summer. Medium No. 1's, 600-700 lbs. should average $62-67 in May and $59-64 in July-August.

Slaughter cow prices should increase steadily through April, reaching a seasonal peak of $42-46 in month's end.

PRICE RANGES—ACTUAL AND PROJECTED

<table>
<thead>
<tr>
<th>Year and Month</th>
<th>Omaha</th>
<th>Florida</th>
</tr>
</thead>
<tbody>
<tr>
<td>900-1100 Pound</td>
<td>400-500 lb.</td>
<td>Feeder Steers</td>
</tr>
<tr>
<td>Med. 1</td>
<td>Med. 2</td>
<td>Med. 1</td>
</tr>
<tr>
<td>1984</td>
<td>68.60</td>
<td>64-72</td>
</tr>
<tr>
<td>Mar.</td>
<td>67.48</td>
<td>63-70</td>
</tr>
<tr>
<td>Apr.</td>
<td>65.88</td>
<td>62-69</td>
</tr>
<tr>
<td>May</td>
<td>64.28</td>
<td>59-66</td>
</tr>
<tr>
<td>June</td>
<td>65.79</td>
<td>60-66</td>
</tr>
<tr>
<td>July</td>
<td>64.40</td>
<td>60-65</td>
</tr>
<tr>
<td>Aug.</td>
<td>62.68</td>
<td>57-63</td>
</tr>
<tr>
<td>Sept.</td>
<td>60.85</td>
<td>60-66</td>
</tr>
<tr>
<td>Oct.</td>
<td>64.29</td>
<td>59-66</td>
</tr>
<tr>
<td>Nov.</td>
<td>65.32</td>
<td>59-66</td>
</tr>
<tr>
<td>Dec.</td>
<td>65.54</td>
<td>56-60</td>
</tr>
<tr>
<td>1985</td>
<td>64.35</td>
<td>65-72</td>
</tr>
<tr>
<td>Jan.</td>
<td>63.16</td>
<td>67-75</td>
</tr>
<tr>
<td>Feb.</td>
<td>59.38</td>
<td>66-73</td>
</tr>
<tr>
<td>1985 Projected</td>
<td>68-69</td>
<td>64-71</td>
</tr>
</tbody>
</table>

SOURCE: James R. Simpson, Cooperative Extension Service

Average Prices Received, Effective Parity and Percent of Parity for Livestock, U.S., March 1984 and 1985

<table>
<thead>
<tr>
<th>Item</th>
<th>Prices Received</th>
<th>Parity Prices</th>
<th>Avg. Prices as % of Parity</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Dollars per Cwt.</td>
<td>Dollars per Cwt.</td>
<td>Percent</td>
</tr>
<tr>
<td>Beef Cattle</td>
<td>61.70</td>
<td>57.20</td>
<td>101.00</td>
</tr>
<tr>
<td>Calves</td>
<td>63.70</td>
<td>66.00</td>
<td>114.00</td>
</tr>
<tr>
<td>Hogs</td>
<td>45.80</td>
<td>43.60</td>
<td>90.40</td>
</tr>
</tbody>
</table>

SOURCE: U.S. Department of Commerce

Average Prices Received through 14 Florida Auctions March 1984 and 1985

<table>
<thead>
<tr>
<th>Grade</th>
<th>1984</th>
<th>1985</th>
</tr>
</thead>
<tbody>
<tr>
<td>Choice</td>
<td>57.59</td>
<td>56.27</td>
</tr>
<tr>
<td>Good</td>
<td>50.88</td>
<td>47.66</td>
</tr>
<tr>
<td>Standard</td>
<td>-</td>
<td>46.26</td>
</tr>
<tr>
<td>All Grades</td>
<td>56.38</td>
<td>54.54</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Grade</th>
<th>1984</th>
<th>1985</th>
</tr>
</thead>
<tbody>
<tr>
<td>Medium #1</td>
<td>66.14</td>
<td>67.84</td>
</tr>
<tr>
<td>Large #1</td>
<td>65.37</td>
<td>65.57</td>
</tr>
<tr>
<td>Medium #2</td>
<td>60.76</td>
<td>61.29</td>
</tr>
<tr>
<td>Large #2</td>
<td>55.79</td>
<td>57.60</td>
</tr>
<tr>
<td>Small #1</td>
<td>57.67</td>
<td>58.75</td>
</tr>
<tr>
<td>Small #2</td>
<td>49.64</td>
<td>51.33</td>
</tr>
<tr>
<td>All Grades</td>
<td>61.36</td>
<td>63.28</td>
</tr>
</tbody>
</table>

SOURCE: FDA & CS, Division of Marketing, Bureau of Market News

AVERAGE PRICES, Dollars per Cwt.

<table>
<thead>
<tr>
<th>Week Ended</th>
<th>Choice (900-1100 Lbs.)</th>
<th>Choice (1100-1300 Lbs.)</th>
<th>Good (900-1100 Lbs.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Jan. 26</td>
<td>68.20</td>
<td>64.30</td>
<td>70.18</td>
</tr>
<tr>
<td>Feb. 23</td>
<td>66.90</td>
<td>62.60</td>
<td>67.85</td>
</tr>
<tr>
<td>Mar. 30</td>
<td>68.90</td>
<td>59.50</td>
<td>70.20</td>
</tr>
<tr>
<td>1985 Projected</td>
<td>Com'l</td>
<td>Utility</td>
<td>Cutter</td>
</tr>
<tr>
<td>Jan. 26</td>
<td>37.50</td>
<td>39.70</td>
<td>35.50</td>
</tr>
<tr>
<td>Feb. 23</td>
<td>42.55</td>
<td>42.10</td>
<td>42.05</td>
</tr>
<tr>
<td>Mar. 30</td>
<td>44.15</td>
<td>43.25</td>
<td>43.65</td>
</tr>
</tbody>
</table>

SOURCE: U.S.D.A.—AMS

Imported Boneless Beef on Which Duty Is Paid Fresh & Frozen, Florida and U.S., 1982-84

<table>
<thead>
<tr>
<th>Year</th>
<th>December</th>
<th>January-December</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Quantity</td>
<td>Change from prev. year</td>
</tr>
<tr>
<td></td>
<td>Rec'd.</td>
<td></td>
</tr>
<tr>
<td>1000</td>
<td>Pounds</td>
<td>Percent</td>
</tr>
<tr>
<td>Florida:</td>
<td>1982</td>
<td>+ 54</td>
</tr>
<tr>
<td></td>
<td>1983</td>
<td>- 43</td>
</tr>
<tr>
<td></td>
<td>1984</td>
<td>- 8</td>
</tr>
<tr>
<td>U.S.:</td>
<td>1982</td>
<td>- 9</td>
</tr>
<tr>
<td></td>
<td>1983</td>
<td>- 54</td>
</tr>
<tr>
<td></td>
<td>1984</td>
<td>+ 156</td>
</tr>
</tbody>
</table>

SOURCE: U.S. Department of Commerce

THE FLORIDA CATTLEMAN / MAY 1985 / 61
CowBelles hold annual beef cook-off

PRESIDENT'S BY-LINES

Once upon a time (3/30/85) there were 12 good cooks dressed in their special "beef" dish for the judges. Everyone did their very best, and the winner was Gail Donald of Levy County, cooking her most delicious Beef Strudel. Betty Whitehurst was Gail's kitchen aid and she knew "her girl" had the winning dish. They are all ready to get a group together from Levy County to go to Wichita, Kansas, next September for the National Beef Cook-off. They have consented to host our State Cook-off next year, too.

So many nice things happened connected with our cook-off. We made many new friends for beef. Janis Walter, chairman, and Aerolene Cox, co-chairman, really had things in order and everything went pretty well as planned. We had 56 for dinner on Friday night. Ed Yarborough (my Ed) was generous with plenty of beef for both days and Joe Walter and family prepared and served it along with baked potatoes, slaw, fresh bread and fresh strawberries. Orange County cattlemen furnished energy the next morning with juice, coffee and doughnuts. Much support from other county CowBelles along with the Orange County ladies was enjoyed on Saturday. By award time, 70 or so excited people had gathered. We had television coverage and two local newspapers visiting. Every dish was most tasty and displayed beautifully. I'm sure one could say our Florida Beef Cook-off was "A Success."

I get so excited every time I receive a note from Ella Kersey of Manatee County. Those girls are busy, busy. They had 10 ladies at our Beef Short Course; three won door prizes of meat, and Ella even won fourth in the meat judging. They also had rough weather during their fair time, but feel good about their booth. They sponsor a coloring contest with three age groups. The report is everyone had a good time. There are some hardworking 4-H and FFA students in their area and the CowBelles do their part supporting them in many ways as well as red and white caps when they sign up to show their steers in the herdsman award competition. Beef promotion was going strong for Publix and the CowBelles while they worked in four different stores back in February. As I said, these ladies are busy, busy.

Carolyn Kempfer has sent the qualifications out for the "Outstanding CowBelle" and hope you are getting your thoughts together for this.

So many nice things happened connected with our cook-off. We made many new friends for beef. Janis Walter, chairman, and Aerolene Cox, co-chairman, really had things in order and everything went pretty well as planned. We had 56 for dinner on Friday night. Ed Yarborough (my Ed) was generous with plenty of beef for both days and Joe Walter and family prepared and served it along with baked potatoes, slaw, fresh bread and fresh strawberries. Orange County cattlemen furnished energy the next morning with juice, coffee and doughnuts. Much support from other county CowBelles along with the Orange County ladies was enjoyed on Saturday. By award time, 70 or so excited people had gathered. We had television coverage and two local newspapers visiting. Every dish was most tasty and displayed beautifully. I'm sure one could say our Florida Beef Cook-off was "A Success."

I get so excited every time I receive a note from Ella Kersey of Manatee County. Those girls are busy, busy. They had 10 ladies at our Beef Short Course; three won door prizes of meat, and Ella even won fourth in the meat judging. They also had rough weather during their fair time, but feel good about their booth. They sponsor a coloring contest with three age groups. The report is everyone had a good time. There are some hardworking 4-H and FFA students in their area and the CowBelles do their part supporting them in many ways as well as red and white caps when they sign up to show their steers in the herdsman award competition. Beef promotion was going strong for Publix and the CowBelles while they worked in four different stores back in February. As I said, these ladies are busy, busy.

Carolyn Kempfer has sent the qualifications out for the "Outstanding CowBelle" and hope you are getting your thoughts together for this. There are so many outstanding ladies among you. That is one of the reasons we have an awards program; but remember, "Outstanding CowBelle" and awards program winners have different rules and different forms.

Peggy Miller has things moving on the sweethearts, too. This is another important topic you need to address your thoughts toward soon. Michelle Mace has really had a full year. Her beautiful smile and sweet disposition has made many people happy this past year. She helped us at the cook-off and again at Legislative Appreciation Day. She has been busy. Beef for Father’s Day plans should start soon. Lynn Long, Marion County, will have some suggestions out soon, but you may have a few ideas of your own you can start into motion.

Legislative Day was another success this year. With Belle Jeffords in charge of things, they get done. Polly Golden has produced another most attractive and educational booth display. We had the honor of using it first in Tallahassee. Trudy Carey made the sauce for our beef and there was not a bite left. Sylvia, Trudy, Jeanette, Belle, Deek, Joy, Polly, Michelle and I had plenty to do. We went through approximately 2500 toothpicks in three hours; and a lot of recipes, too.

Coming home from Tallahassee, Belle and I stopped by the University of Florida to attend a seminar in celebration of the centennial of IFAS. 4-H was 75 years old. Keynote speaker was Don Stormer, deputy ad-
Hereford type conference set for Oklahoma

A Hereford type conference, sponsored by the American Hereford Association and the animal science department of Oklahoma State University, will be held May 21-22, at Stillwater, Oklahoma.

The conference is planned to update the present status of the Hereford breed and the beef cattle industry, and to define the purposes and directions for the future, according to AHA officials.

Emphasis will be placed on fertility, the most important of the genetic traits.

Michael Blockey of Australia, the world's leading authority on fertility for bull evaluation, will be the featured program participant. Blockey has developed a serving capacity test which indicates the bull's influence on herd fertility, the heritability of serving capacity and its effects on herd conception rate, comparative reproduction performance of bulls of different ages, and the productivity of cow herds when bred to bulls of low, medium and high serving capacity bulls.

Blockey will be making his first appearance in the U.S. His research has brought him world-wide acclaim.

Successful registered and commercial breeders and leading scientists will appear on committees to evaluate the importance of frame, structure, performance and reproduction in breeding programs. An effort will also be made to put a dollar value on each trait of economic importance, according to AHA.

Referring to an AHA and OSU sponsored beef industry evaluation conference in 1976, H.H. Dickenson, executive vice president of AHA, said, "It is our hope and intent to have another conference that will have as positive an impact on the industry as the one nearly a decade ago."

USDA's 1985 farm bill proposal will include phasing-out acreage reduction programs as means of qualifying for government price support programs, USDA Secretary Block said.

U.S. personal income rose 0.5 percent in December to a seasonally adjusted rate of 3.118 trillion dollars.

HORNED HEREFORDS
D4 & Onward Breeding
BULLS FOR SALE
12 mos. to 3 years
CUY HARRELL FARMS, Inc.
912/762-4292
Whigham, GA 31797

T BAR
Hereford Ranch
Reg. Hereford Bulls for Sale at All Times
Robert & Debi Thompson
Carney OK 405/885-2513
Ralph & Estelle Thompson
Coquilct GA 912/758-2230

Performance Tested
HEREFORD, SIMBRAH &
SIMMENTAL
CORRIGAN RANCH
P. O. Box 2410
Ph: 305/567-7141, 569-2342
Vero Beach, Florida 32960

Visitors always Welcome
Annual Bull sale 3rd Sat. every November
Debter Hereford Farm
Route 1, Horton, Alabama 35980
Ross & Glynn Debter: 205/429-3553
James Debter: 429-2054
Perry Debter: 429-4415
Farm located 50 miles north of Birmingham;
Look for signs on Highway 79 & 278

Sale Management By:
CANNON MARKETING COMPANY
Carroll T. & Patty Cannon
P. O. BOX 1421
TIFTON, GEORGIA 31793-1421
912/382-4383

CUSTOM CATTLE FEEDING
Feed Florida Cattle in Florida
Davis Farms
P.O. Box 97
Balm, Fla. 33503
We Buy Feeder Cattle
Wayne Davis
610 Dali Drive
Brandon, Fla. 33511
Phones
Day 813/634-3344
Night 813/669-5021

THE FLORIDA CATTLEMAN / MAY 1985 / 63
Effect of blackstrap molasses supplements on the performance of calves grazing Bahia grass pasture

The gains of calves during the summer months on perennial grass pastures are often lower than desired. Supplemental feeds may be needed to achieve the desired performance of replacement heifers and calves backgrounded for the feedlot.

The objectives of this study were to: (1) Compare the intake and performance of heifers offered molasses, molasses-soybean meal, molasses-brewers grain or molasses-corn supplements while grazing Pensacola bahia grass pastures. (2) Compare the performance of grazing heifers offered supplemental energy from molasses or grain based supplements. (3) Determine the effect of pasture supplements on the accumulated forage and potential stocking rate.

This study utilized 48 fall born heifers that were divided into 12 groups of four heifers each. Each group was grazed on a 1.7 acre Bahia grass pasture from June 8 to September 5, 1984.

Two groups of heifers were assigned to each of the following supplemental feeding programs:

1. Each of the molasses supplements was hand mixed daily in plastic feeding tubs and a fresh portion offered daily.
2. The gains of calves during the summer months on perennial grass pastures are often lower than desired. Supplemental feeds may be needed to achieve the desired performance of replacement heifers and calves backgrounded for the feedlot.
3. The objectives of this study were to: (1) Compare the intake and performance of heifers offered molasses, molasses-soybean meal, molasses-brewers grain or molasses-corn supplements while grazing Pensacola bahia grass pastures. (2) Compare the performance of grazing heifers offered supplemental energy from molasses or grain based supplements. (3) Determine the effect of pasture supplements on the accumulated forage and potential stocking rate.
4. This study utilized 48 fall born heifers that were divided into 12 groups of four heifers each. Each group was grazed on a 1.7 acre Bahia grass pasture from June 8 to September 5, 1984.
5. Two groups of heifers were assigned to each of the following supplemental feeding programs:
   - Each of the molasses supplements was hand mixed daily in plastic feeding tubs and a fresh mix was offered to each group. The remaining mixture was weighed back and discarded.
   - The MOL-SBM, MOL-BG and MOL-CORN treatments evaluated the response to level and type of supplemental protein and the MOL-SBM and MOL-CORN treatments compared molasses and corn as sources of energy.
6. The results showed that molasses consumption increased when soybean meal, corn or brewers grains were mixed in the molasses (Table 2). Each supplement was offered at a level that would provide 4 lb of TDN/500 lb/5-day. It was anticipated the MOL-SBM, MOL-CORN, MOL-BG and MOL-CORN mixtures would be completely consumed each day, but the heifers did not consume all that was offered except for the CORN-SBM.
7. Corn added to molasses increased consumption more than soybean meal or brewers grains (5.7 vs 4.07 or 4.05 lb/5-day/5-day). The variation in consumption between replicates was high for the MOL (2.97 and 3.97 lb/5-day/5-day) and MOL-BG (3.37 and 5.65 lb/5-day/5-day). In contrast the replicate pens had similar consumption for the MOL-SBM (4.66 and 4.69 lb/5-day/5-day) and MOL-CORN (5.59 and 5.77 lb/5-day/5-day).
8. The consumption of the supplements increased during the summer trial but the gains decreased during each period (Table 2). The

Table 1. Composition and Feeding Level of Supplements

<table>
<thead>
<tr>
<th>Ingredient, %</th>
<th>MOL</th>
<th>MOL-SBM</th>
<th>MOL-CORN</th>
<th>MOL-BG</th>
<th>CORN-SBM</th>
</tr>
</thead>
<tbody>
<tr>
<td>Blackstrap Molasses</td>
<td>100</td>
<td>83.3</td>
<td>83.6</td>
<td>79.8</td>
<td>75.0</td>
</tr>
<tr>
<td>Soybean Meal (490% protein)</td>
<td>16.7</td>
<td>16.4</td>
<td>17.5</td>
<td>21.7</td>
<td>21.0</td>
</tr>
<tr>
<td>Ground Shelled Corn</td>
<td>16.4</td>
<td>16.4</td>
<td>17.5</td>
<td>21.7</td>
<td>21.0</td>
</tr>
<tr>
<td>Brewer's Grain</td>
<td>16.4</td>
<td>16.4</td>
<td>17.5</td>
<td>21.7</td>
<td>21.0</td>
</tr>
<tr>
<td>Urea Solution (36%)</td>
<td>2.7</td>
<td>2.7</td>
<td>2.7</td>
<td>2.7</td>
<td>2.7</td>
</tr>
<tr>
<td>Limestone</td>
<td>1.0</td>
<td>1.0</td>
<td>1.0</td>
<td>1.0</td>
<td>1.0</td>
</tr>
</tbody>
</table>

Supplement Offered, lb/5-day/5-day
- 6.0 | 6.0 | 6.0 | 6.3 | 5.1 |

Supplement Nutrients
- Offered, lb/5-day/5-day
- TDF | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
- Crude Protein | 0.37 | 0.78 | 0.39 | 0.78 | 0.78 |

Table 2. Effect of blackstrap molasses and protein supplements on the performance of heifers grazing Bahia grass pastures

<table>
<thead>
<tr>
<th>Supplement</th>
<th>NONE</th>
<th>MOL</th>
<th>MOL-SBM</th>
<th>MOL-CORN</th>
<th>MOL-BG</th>
<th>CORN-SBM</th>
</tr>
</thead>
<tbody>
<tr>
<td>No. of Heifers</td>
<td>8</td>
<td>8</td>
<td>8</td>
<td>8</td>
<td>8</td>
<td>7</td>
</tr>
<tr>
<td>Initial Weight, lb</td>
<td>406</td>
<td>416</td>
<td>410</td>
<td>424</td>
<td>418</td>
<td>401</td>
</tr>
<tr>
<td>Ave. Daily Gain, lb</td>
<td>0.27</td>
<td>0.27</td>
<td>0.27</td>
<td>0.27</td>
<td>0.27</td>
<td>0.27</td>
</tr>
<tr>
<td>28-55 days</td>
<td>1.96</td>
<td>2.45</td>
<td>2.66</td>
<td>2.37</td>
<td>2.48</td>
<td>2.57</td>
</tr>
<tr>
<td>56-89 days</td>
<td>0.56</td>
<td>1.06</td>
<td>1.77</td>
<td>1.43</td>
<td>1.48</td>
<td>1.87</td>
</tr>
<tr>
<td>Total</td>
<td>0.89</td>
<td>0.89</td>
<td>0.89</td>
<td>0.89</td>
<td>0.89</td>
<td>0.89</td>
</tr>
<tr>
<td>Final Shrink, %</td>
<td>6.2</td>
<td>6.2</td>
<td>6.2</td>
<td>6.2</td>
<td>6.2</td>
<td>6.2</td>
</tr>
<tr>
<td>Added Gain, lb/day</td>
<td>-35</td>
<td>35</td>
<td>-35</td>
<td>35</td>
<td>-35</td>
<td>35</td>
</tr>
<tr>
<td>Supplemental Consumption, lb/5-day/5-day</td>
<td>0.89</td>
<td>0.89</td>
<td>0.89</td>
<td>0.89</td>
<td>0.89</td>
<td>0.89</td>
</tr>
<tr>
<td>Supplemental Cost, cents/day</td>
<td>11.4</td>
<td>11.4</td>
<td>11.4</td>
<td>11.4</td>
<td>11.4</td>
<td>11.4</td>
</tr>
<tr>
<td>TDF/500 lb Added Gain, lb</td>
<td>4.0</td>
<td>4.0</td>
<td>4.0</td>
<td>4.0</td>
<td>4.0</td>
<td>4.0</td>
</tr>
<tr>
<td>Cost Added Gain, cents/lb</td>
<td>46.2</td>
<td>46.2</td>
<td>46.2</td>
<td>46.2</td>
<td>46.2</td>
<td>46.2</td>
</tr>
</tbody>
</table>

a. Supplements: MOL = Molasses; SBM = Soybean Meal, CORN = Corn Meal, BG = Brewers grains and urea.
b. Full weight gains.

Table 1. Composition and Feeding Level of Supplements

<table>
<thead>
<tr>
<th>None</th>
<th>MOL</th>
<th>MOL-SBM</th>
<th>MOL-CORN</th>
<th>MOL-BG</th>
<th>CORN-SBM</th>
</tr>
</thead>
<tbody>
<tr>
<td>Weight shrink overight in corral.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Added Gain, %</td>
<td>1.4</td>
<td>1.4</td>
<td>1.4</td>
<td>1.4</td>
<td>1.4</td>
</tr>
<tr>
<td>Gain above unsuplemental group.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ingredient cost only: $/5-day Molasses, 4.00; Soybean Meal, 13.00; Corn, 7.00; Brewers Grain, 9.00; Urea, 6.00.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Supplement cost/day divided by actual gain increase.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
supplement increased gains during all periods but the largest increase in gain occurred during August (56–89 days) when gains were increased from .56 to 1.87 lb/hd/day. All supplements except MOL produced heifer gains of 1.41 lb/hd/day or more, avoiding the low gains which are customarily experienced on grass pastures during the late summer.

The heifers averaged a 3.5 percent overnight shrink at the start of the trial but had a 7.1 percent overnight shrink at the end of the trial. There was a trend for higher gaining heifers with higher condition scores to have a higher shrink at the end of the trial. The 0–89 day gains reported in Table 2 are gains calculated with shrunk weights; therefore, they are lower than the average full weight gains reported for each period.

Gains of heifers were similar for the MOL-SBM, MOL-BG and MOL-CORN but lower for the MOL supplements during the 89-day trial. The quantity of TDN consumed by the different lots was different, therefore, the trial. The quantity of supplemental TDN per pound of added gain was calculated. The MOL-SBM had a higher efficiency than MOL-CORN (5.5 vs 8.0 lb TDN/lb gain) indicating that protein improved the utilization of energy. Heifers supplemented with MOL-SBM gained .11 lb/day more (1.52 vs 1.41 lb/hd/day) but consumed .7 lb of TDN less/day (3.13 vs 3.83 lb TDN/hd/day) compared to MOL-CORN. The conversion of TDN to weight gain was similar for MOL and MOL-CORN indicating both may be deficient in protein. Heifers supplemented with MOL-BG had slightly poorer efficiency than MOL-SBM.

The heifers supplemented with CORN-SBM consumed more TDN/day (3.99 vs 3.13 lb TDN/hd/day) and had a slightly higher gain (.71 vs 1.52 lb/hd/day) but similar conversion of TDN to gain (5.6 vs 5.5) compared to MOL-SBM. A TDN composition of 65 percent (as fed) was used for blackstrap molasses in these calculations and the efficiency of conversion indicated this value was correct.

The cost of ingredients for the added gain was calculated using ingredient prices during the fall of 1984. The costs of gain were lower for the molasses-based supplements than CORN-SBM. The cost of added gain for MOL-SBM supplemented heifers was 9 cents/lb lower than the CORN-SBM supplemented heifers (44.3 vs 53.4 cents/lb).

There was an increase in residual forage in all pastures during the trial. The supplements decreased forage intake which resulted in a larger increase in residual forage during the trial. The amount of forage TDN intake reduction (excess pasture) was divided by the amount of supplemental TDN consumed to calculate a replacement rate. The replacement rate ranged from 24 to 37 percent across treatments with an average of 32 percent.

The theoretical increase in stocking rate was calculated for each supplementation program. The percent increase in stocking rate for each pound/hd/day of supplemental TDN consumed ranged from 3.7 to 6.4 percent across treatments with an average of 5.3 percent. This would mean that a supplement providing 2 lb/hd/day of TDN would increase stocking rate 10.6 percent; 4 lb/hd/day of TDN would provide a 21.2 percent increase in stocking rate.

In summary, blackstrap molasses consumption was increased when grain or protein feeds were mixed in the molasses. Calf gains were increased when molasses supplements were fed. A soybean meal protein supplement added to molasses improved efficiency of gains and TDN conversion to gain was similar for molasses-soybean meal and corn-soybean meal.
Animal Health

Test kit for calf scours available

The first in-clinic test kit for the rapid detection of E. coli scour in calves is now available to veterinarians from Molecular Genetics, Inc.

The kit, called Coli-Tect™ 99, will allow veterinarians to quickly and easily detect the pathogenic K-99 strain of E. coli after conducting the test in their office.

"Producers and veterinarians can lose valuable time waiting for results from diagnostic laboratories. That time can mean the loss of several calves in a producer's herd," states Dennis Nelson, DVM, vice president-animal health products, Molecular Genetics. "With this new service, veterinarians can now offer producers an in-clinic test to confirm E. coli scour using Coli-Tect 99."

Coli-Tect 99 is an ELISA (enzyme-linked immunosorbent assay) based test which uses a K-99 monoclonal antibody to detect the K-99 antigen.

The diagnostic kit has been tested for efficacy by three diagnostic laboratories, and veterinarians have tested the kits in field trials with accurate results.

"I'm going to suggest running the tests on every animal that scour into the first three days of life," says Warren Black, DVM, Marshall, Minnesota, after he completed trials of the kit. "Hopefully producers can bring a sample into town while running errands and by the time they are ready to go home, the test will be completed."

The kit is available only to veterinarians, as proper diagnosis of scour includes more than reading the results of a diagnostic test. "Other factors, such as the animal's age, clinical symptoms, herd history and analysis of other disease agents present should be considered when diagnosing scour," Nelson states.

"When E. coli scour is confirmed, producers and their veterinarians can work together to determine the best course to take."

Molecular Genetics, Inc., specializes in the development and manufacture of genetically-engineered products to aid agricultural production.
Dear Friends,

We have been fortunate to have owned some of the greatest cattle in the history of Brangus. After much thought, deliberation and planning, the Williams foundation herd of cows, donors and herd bulls will be sold.

No, we’re not getting out of the Brangus business, as we are retaining 350 pregnant recipients and our wintering bulls. And we are retaining our “Breeding Up” herd and feel we will be able to devote the time and effort necessary that a program of this nature demands.

Such a sale is a rare opportunity in any breed and we think this sale has the potential to have long term, positive effects on the breed and many individual herds. With so many great cattle selling, there are bound to be many bargains.

This sale is unique in terms of quality, genetics and numbers. We sincerely hope you will join us and take advantage of our business decision and of these guaranteed “Good Kinda” Brangus cattle.

Sincerely,
Clayton and Modesta
Gary and Gwen

Offering Includes:

- Entire Herd Bull Battery and Clean-Up Bulls
- Entire Show String
  - 50 Donors
  - 150 Cows With Fall Calves
  - 300 Cows With Spring Calves
  - 120 Bred Heifers
  - 125 Heifers With A.I. Dates
  - Or Open
  - 75 Bred Cows
  - 250 Recips With Registered Calves At Side

ALL CATTLE 1979 AND YOUNGER

Make Plans Now To Attend The Futurity And Related Events And Stay For What Is Sure To Be One Of The Breed’s Biggest Events!

Auctioneer: Reyes & Reyes
Sale Manager: Pierce Sale Company
Box 807  Bellville, Texas
409/865-9104
Sale Consultant: Jess Bryce
Poteet, Texas
512/742-3311
Catalogs Upon Request

CLAYTON & MODESTA WILLIAMS
3000 ClayDest National Bank Bldg.
Six Desta Drive, Midland TX 79706
(915) 682-6324
Gary Bruns, Partner
Office: (512) 393-6252 or (512) 393-6079
P.O. Box 550, Floresville, Texas 78114
Heldon Brangus Ranch
Brangus for that “extra edge.”

We have been in the Brangus business for several years. We have used the best females available and bred them to the best bulls in the breed.

Through the use of embryo transfer, selection, and performance testing, we have put together the finest Brangus herd in the southeast.

Now we are able to offer quality females as well as quality bulls to those interested in starting or switching to Registered Brangus.

FOR SALE

Performance tested females.
Performance tested two-year-old bulls.
Commercial Bulls.

Donald L. Smith
904/694-2600

Jim Drawdy, Ranch Manager
904/528-6760

1500 S. Magnolia Ave.
Ocala, Fla. 32670

Animal Health

USDA covers animal health in yearbook

Americans spend about $4.6 billion annually on veterinary services, according to the 1984 Yearbook of Agriculture, Animal Health: Livestock and Pets, recently released. Of that amount, about 82 percent is spent on dogs, cats and other household pets.

A huge sum, but not surprising in a country in which 61 percent of all households include one or more pets.

The new USDA Yearbook focuses on commercial livestock and household pets and identifies major diseases and their symptoms. It addresses the pet owner and the farmer as the most important individuals in assuring proper animal care. Without their concern, careful observation and knowledge, veterinary practitioners and other animal health care professionals would rarely get the opportunity to treat animals or to prevent or contain disease outbreaks.

The book emphasizes that animal health often is more fragile than we think, and animals are totally dependent on people to spot their health problems or to remove potential health hazards before disease occurs.

The book covers many of the most familiar species in the animal kingdom: dairy and beef cattle; sheep and goats; horses; swine, and others, and specifies many of the major diseases to which each is vulnerable, including nutritional, infectious, foreign, toxic, genetic, respiratory, digestive, skin, metabolic, fungal, and parasitic diseases, as well as specific hazards associated with raising some animals.

USDA has exactly the right qualifications and associations for publishing such a book. Its program responsibilities for animal health fall into several areas. USDA inspectors guard our borders against unauthorized importation of animals and animal products or other substances or organisms that might carry in diseases. The department enforces laws that require humane care for animals transported interstate and that inhabit zoos and pet farms. USDA personnel act to control and eliminate contagious animal diseases that breakout within the U.S., and work closely with state and local officials and private sector specialists across the country in doing this.
HOW MUCH WILL IT COST YOU NOT TO USE A TEXAS LONGHORN BULL?

This two-year-old F-1 Texas Longhorn heifer has a big healthy calf sired by a Texas Longhorn bull. No man hours were used to pull this calf. National statistics show that Longhorn bred first calf heifers rebreed back at a higher percentage than other breed sires tested. National statistics show when Longhorn bulls are used, there is better than a 96 percent live calf crop.

It’s your herd, take a pencil to it.

For your next purchase or more information, please contact us.
Nutrition conference held at Daytona

Reports on a variety of animal nutrition subjects were presented at the 1985 Florida Nutrition Conference on March 28-29, at Daytona Beach. Sponsored by the Institute of Food and Agricultural Sciences at the University of Florida, Gainesville, the conference was held in conjunction with the eighth annual International Minerals Conference at the Holiday Inn Surfside.

R.H. Harms of the University staff chaired the event which was devoted to subjects related to livestock and poultry feeding.

Featured speakers at the opening session of the conference were Stan Curtis of the University of Illinois, and Roy Leidahl of ABC Publishing Company and Feedstuffs magazine. Curtis discussed the impact of animal welfare on agriculture and Leidahl covered the future outlook for beef, dairy and poultry.

Curtis was also featured on the program of the closing general session with a presentation on managing animals to minimize stress.

Others featured at the closing session were Keith Behnke of Kansas State University, and Charlie Olen-tine of Watt Publishing Company. Behnke covered new innovations in feed manufacturing and Olentine discussed current feed industry problems.

A number of University of Florida personnel, out-of-state university researchers, and industry representatives presented information at two separate sessions on livestock and poultry held simultaneously at the conference.

Roger West, chairman of the animal science department at the University of Florida, presided at the first session on livestock. Presiding at the second session was R.P. Natzke of the University.

Presiding at the general sessions were University staffers E.A. Ott, equine nutritionist, and H.H. Van Horn, dairy nutritionist.

Floridians named Longhorn directors

Three Floridians were recently named directors of the Southeastern Texas Longhorn Association. Walter Gude, Dade City, Bobby Chastain, Lamont; and Richard Matthews, Brooksville, were all named to the board at the association's annual meeting, held February 1, at Kissimmee.

Mathews was later named president of the association by the board of directors.

Other officers include Kipp Brown, Greenwood, Mississippi, vice president; and June Mathews, Brooksville, secretary-treasurer.

Other members of the board of directors are Wayne Bradley, Milledgeville, Georgia; Wick Comer, Hendersonville, Tennessee; Noah Oliver, Enterprise, Alabama; Harland Goertz, Lexington, Virginia; and Debbie Matyjasik, Daleville, Alabama.

The association is composed of members from nine southeastern states. The group will host the National Texas Longhorn Convention in August, 1985, at Nashville, Tennessee.
COW MAN'S SPECIALIST

He's a stout, rugged Polled Hereford bull, specializing in Live Calves, Hybrid Vigor and Total Efficiency.

American Polled Hereford Association
4700 E. 63rd St., Kansas City, Mo. 64130
Phone (816) 333-7731

BEEF CATTLE FIELD DAY
For all interested Beef Producers and Industry Representatives
Subtropical Agricultural Research Station
Brooksville, Florida
May 18, 1985

The Program

8-9:00 a.m.—Registration & Judging Contest.
9:00 a.m.—Welcome by Dr. Andrew C. Hammond, Research and Location Leader—USDA.
9:30 a.m.—Responses of Different Kinds of Cattle to Different Production Situations, Dr. Will Butts, Research Geneticist—USDA.
10:00 a.m.—Selecting Cattle for Different Production Situations (Will include Selection Demonstration and Contest), Dr. Jim Gibb, Director of Research and Education, American Polled Hereford Association.
12:00 noon—Complimentary Lunch
1:00 p.m.—Producer Panel Discussion
2:00 p.m. Recap and Awards Presentations

Sponsored by Florida Polled Hereford Association. For information contact:
Bob Crane, Jr.
Alachua, Florida
904-462-2200

Subtropical Agricultural Research Station
Brooksville, Florida
904-796-3385
APHA cattlemen’s conference is June 10–11

The 1985 edition of the American Cattlemen’s Conferences will feature the theme “Function-Form-Formality” on June 10–11, at the University of Missouri campus at Columbia, Missouri.

Sponsored by the American Polled Hereford Association (APHA), the conference will use the theme as a springboard for plans to give direction to Polled Hereford breeders in selection programs regarding size, function, soundness and fertility. The conference will also give guidance regarding the correlation of physical traits in cattle with function and production.

The conference program will present updated, comprehensive information regarding beef cattle evaluation from conception to consumption and attempt to clearly define the positive role of Polled Herefords within the beef industry.

Keynoting the event is Bob Totusek, Oklahoma State University, who will focus his remarks on the present beef cattle situation and trends for the future.


Three working committees will be functioning during the formal conference sessions. The committees will consist of three Polled Hereford breeders, one commercial producer, one researcher and one program speaker. They’ll operate under the titles of Reproduction, Performance and Structure and will recommend priorities of traits and trait expression.
Brooksville site
of beef cattle
field day

A beef cattle field day that will center on production and environment will be held on May 18, at the Subtropical Agricultural Research Station at Brooksville. The event is being sponsored by the Florida Polled Hereford Association.

According to Bob Crane, Alachua, chairman of the program and a Polled Hereford producer, the program will feature talks by two leading industry representatives and a producer panel discussion with purebred and commercial producer representation.

Registration and a judging contest will get underway at 8:00 a.m. Andrew C. Hammond, the new research and location leader with USDA at the Brooksville station, will give the official welcome at 9:00 a.m.

Will Butts, research geneticist, USDA, Brooksville, will appear on the program at 9:30 a.m., with a discussion of the responses of different kinds of cattle to different production situations.

Jim Gibb, director of research and education with the American Polled Hereford Association, Kansas City, Missouri, is scheduled to speak on selecting cattle for different production situations at 10:30 a.m. Gibb’s presentation will include a selection demonstration and contest.

A complimentary lunch will be served at noon with the producer panel discussion planned for 1:00 p.m. Activities will conclude with a recap and awards presentations.

Crane said that all interested cattlemen and industry representatives are invited to attend the event.

Kleberg named
AQHA president

Stephen (Tio) Kleberg, Kingsville, Texas, was elected president of American Quarter Horse Association at the group’s general membership meeting, held March 6, at Dallas, Texas.

Kleberg is affiliated with King Ranch, breeders of Quarter Horses and registered Santa Gertrudis cattle.

USSR cancelled a purchase of 150,000 tons of U.S. hard red winter wheat which was scheduled for delivery during current marketing year.
Angus Auxiliary to award 10 scholarships

The American Angus Auxiliary will award college scholarships totaling $8000 to ten deserving high school graduating seniors. Five girl and five boy winners most active in Angus projects, school, community and church activities will be selected from the respective state Angus scholarships applications.

Both the amount of money and number of scholarships has been increased for 1985. First place scholarships in each group will be $1500; second place, $1000; third place, $700; fourth place, $500 and fifth place, $300. The entry deadline is June 25.

The top five girl applications will be invited to the Angus Auxiliary annual meeting held at the North American International Livestock Exposition in Louisville, Kentucky, next November, where they will be interviewed for the National Miss American Angus title. Scholarship winners will be announced at the All American Angus Breeder’s Futurity in Louisville, Kentucky, August 5-6 following the judging of applications.

Applications for scholarships may be made through state or regional Angus Auxiliaries. Applications are also available from the American Angus Auxiliary Scholarship Chairperson, Mrs. James R. Moxley, Jr., 13155 Route 144, West Friendship, Maryland 21794.

Williams dies in accident

Buddy Williams of Graceville was killed as the result of an automobile accident near Marianna on April 3.

Williams, who was associated in the livestock marketing business for many years, was employed by Chipley Livestock Market, Chipley, at the time of his death.

He was a past president of the Florida Association of Livestock Markets.

Immediate survivors included his wife and daughter.

Agriculture budget approved by Senate budget committee assumes “mostly a freeze” in spending, according to sponsor Sen. James Exon, D-Neb., but doesn’t mean the committee expects agriculture programs to continue in their current form.
Janis Walter
Orange county outstanding CowBelle

Janis (Mrs. Joe) Walter is another busy CowBelle that has devoted a great deal of time and effort in promoting "Beef."

A charter member and organizer of the Orange County CowBelles, she has served as state director since 1983.

Among her many activities for CowBelles, she was chairman of Agriculture Awareness Day, where barbecue was served to 200. She participated in the lean beef survey and has done a good job in contacting schools with educational material—including a Beef By-Products Board presented to students and adults. Janis Walter not only talks about beef, she knows what she's talking about. She won first place in judging beef cuts at the Beef Short Course in Gainesville.

Always helping: Church, Women's Club, Homemakers, and 4-H are a few of her other projects.

With four children at home, Emily (4), Michelle (7), Matthew (10), and 12-year-old Rebecca, this CowBelle must have a fast horse to make the rounds. Keep it up Janis—You're a Belle to be Proud Of.

Baldwin Angus Ranch
FEATURES
Emulous Pride 135
100% Golden Certified Meat Sire
Ranch 5 Miles North of Ocala off I-75
904/629-4574. Leroy Baldwin, owner.

SOUTHSIDE FARMS
Performance tested Angus since 1959
GA BCIA AHIR Herd certified & accredited
Box 174 Hawkinsville, Ga. 31036
located 2 mi. s. of Hawkinsville on US 129
Bill Pope, owner
912/892-9165 912/892-2651

LEMMON CATTLE ENTERPRISES
Registered Angus Cattle
Nina, Harvey, & Donnie Lemmon
Annual Bull Sale Nov. 29
75 performance evaluated 2-year old Angus Bulls
Ph: 404/553-5124 or 404/553-9711
P. O. Box 524
WODDURY, GEORGIA 30293

100 Performance Tested ANGUS
Range Bulls For Sale Annually

IRVINGTON FARMS, INC.
BILLY KING—OWNER
FRED CONE—404/882-0918

GREENWAY
Breeders of superior angus.
P.O. Box 1240
Ocala, Florida 32670
Norman P. Clifton Jr.
904-732-3363
Mgr: Bobby McKettrick
904-822-3220

GAINESVILLE. FLA 32601

Baldwin Angus Ranch
410 W. Verona St.
Ph: 305/846-2800
KISSIMMEE, FLA. 32741

Bellemarde Farm
Marlin M. Nicely Family
Route 2, Box 340
Lake City, Florida 32055
904-752-2541 904-755-6967

SIZE—TYPE—QUALITY
ABERDEEN-ANGUS
THOMPSON BROS. FARM
J. R. and Bruce Thompson, Owners
Rt. 6, Box 349
Marianna, Florida 32446

JOE'S
HATS • BOOTS • WESTERN WEAR
HANDLING EQUIPMENT • VACCINES
NECKOVER TRAILERS
HEALTH PRODUCTS
SADDLERY • GUNS
KNIVES • AMMO
JACKETS

The Rancher, Inc.
"The South's Largest Western Store"
4821 NW 6th St.
Ph: 904/376-4595
GAINESVILLE, FLA. 32601

Promote BEEF every day . . .
Support Your Florida Beef Council

HATS • BOOTS • WESTERN WEAR
HANDLING EQUIPMENT • VACCINES
NECKOVER TRAILERS
HEALTH PRODUCTS
SADDLERY • GUNS
KNIVES • AMMO
JACKETS

THE FLORIDA CATTLEMAN / MAY 1985 / 75
Come one and all  
Florida Santa Gertrudis Assn.
FIELD DAY
Hosted by John and Barbara Maxwell
Bar Jon Ranch
Dade City, Florida
June 1, 1985

8:00 a.m.—Coffee and Donuts
8:45 a.m.—Welcome by John and Barbara Maxwell, Bar Jon Ranch.
9:00 a.m.—Florida Santa Gertrudis Association Directors Meeting.
10:30 a.m.—Presentation by Professor Don Wakeman, University of Florida, Gainesville.
11:30 a.m.—Animal Health Discussion and Demonstration by Chester Taylor, D.V.M., Dade City.
12:00 noon—Complimentary Lunch
1:00 p.m.—Florida Junior Santa Gertrudis Association Judging Contest, Charles Wolf, Official Judge.

There will be a cocktail hour and Dutch Treat Dinner on May 31, starting at 7:00 p.m., at the Holiday Inn, Highway 50 and Interstate 75, north of Dade City.

For more information please contact:
Robert Sanders, Secretary
P.O. Box 421, Dade City, FL 33525
904-588-3711 or 904-567-7040

---

Gemini Springs has yearling Gert sale

Gemini Springs Farm, DeBary, held its sixth annual production sale of performance tested Santa Gertrudis yearlings on April 6. The farm, owned by Charles and Saundra Gray, sold 38 head of yearling Santa Gertrudis, including one guest consignment from Randell Farms, Orlando.

The 16 bulls sold for $16,075 to average $1004, while 22 heifers grossed $23,275 to average $1058. The total sale grossed $39,350 on 38 lots to average $1035.

High selling bull was Gemini 319/4. The bull sold for $1700 to Ken McDonnell of Indiana. Miss Gemini 329/4 was top selling female at $1500. She sold to G Bar G Ranch, Norcross, Georgia.

Volume buyer was Mills Brothers, Orlando, with purchases totaling $4750 for five lots.

The cattle sold to buyers from five states including Florida, Georgia, Ohio, and Indiana.

Auctioneer was Gerald Bowie, LaGrange, Georgia.

Buckalew heads Panhandle group

B. A. Buckalew, Fort Walton Beach, was elected president of the Panhandle Cattlemen’s Association at the group’s annual meeting held in January. Elected vice president was Donald Ray, Baker.

Secretary-treasurer is Marinell Turner, Baker. State director from Okaloosa County is Jeff Adams, Baker, and from Walton County is David Faist, Laurel Hill.

Local directors are Adams; Ray; Jackie Shue, Crestview; Jim Turner, Baker; John Neal, Defuniak; Buckalew; Faist, and Bruce Butts, Defuniak.

---

Farmers in USDA’s 1985 wheat, feed grains, cotton and rice acreage reduction programs will be allowed to hay and graze 1985 acreage conservation reserve acres where drought and other severe weather lead to hay shortages, according to Secretary Block.

Join your local county cattlemen’s association.
We don’t mean to seem repetitious, but that’s what our cattle have been doing at Florida Livestock Shows for years—winning “repeatedly.”

RB 242, the 1984–85 Premier Santa Gertrudis Bull, shown by Ross Brothers, is the 12th Premier winner and the 10th Premier individual (we have had two “repeat” winners) since Ross Brothers started showing Santa Gertrudis.

This reinforces our claim that the Ross Brothers practical breeding program is a solid foundation. It’s a program designed to produce good, useful Santa Gertrudis cattle that can pass on their genetic traits to improve purebred and commercial programs alike.

If your goal is to produce top quality calves, “repeatedly,” try some Ross Brothers Santa Gertrudis blood in your herd. They have already proven they can do it. Give us a call.

ROSS BROTHERS
SANTA GERTRUDIS
BRANFORD, FLORIDA
Bar Jon will host Gert field day

Bar Jon Ranch, Dade City, owned by John and Barbara Maxwell, will host the Florida Santa Gertrudis Association field day and summer directors meeting on June 1.

Activities for the event will get underway on the evening of May 31 with a cocktail hour and dutch treat dinner starting at 7:00 p.m. at the Holiday Inn, located at the intersection of Highway 50 and Interstate 75, north of Dade City.

Registration for the field day will begin at 8:00 a.m., June 1, at Bar Jon Ranch. The Maxwell’s will give the official welcome at 8:45 a.m., followed by the FSGA directors meeting at 9:00 a.m.

At 10:30 a.m., beef cattle specialist Don Wakeman of the University of Florida, Gainesville, will be featured on the program, followed at 11:30 a.m. by a discussion and demonstration on animal health by Chester Taylor, DVM, Dade City.

Lunch will be provided at noon and the program will conclude with a judging contest for the Florida Junior Santa Gertrudis Association starting at 1:00 p.m. Charles Wolf, Delray Beach, will serve as official judge.

A string of top quality Santa Gertrudis cattle will be on display at the field day, including the 2070 bull, owned by Stage Coach Ranch, Dade City, winner of the 1984 Santa Syndicate Sweepstakes.

The Maxwell’s have extended an invitation for all interested cattle producers to attend the event.

Fielder heads Hendry cowmen

Jim Fielder, Clewiston, was elected president of the Hendry County Cattlemen’s Association for the coming year, with C.W. Ward, Jr., Clewiston, serving as vice president.

Secretary-treasurer is Steve Paige, Clewiston, and Gene Felton, LaBelle, will again serve as state director.

Local directors, from Clewiston unless otherwise indicated, are Mike Crooks; Bobby Paige; Joe Marlin Hilliard; Robert G. Cotton, and Larry Black, Sr., Felda.

Serving as director-at-large is Joe Crockett, LaBelle.
Bar Jon's 016

Grand Champion Santa Gertrudis Female at the 1985 South Florida Fair, Reserve Grand Champion at the 1985 Central Florida Fair, and Grand Champion at the 1985 Putnam County Fair.

This October 1983 Briggs bred heifer is just one of the exceptional individuals in the Bar Jon showstring. "016" is being shown throughout the Nation in the Santa Syndicate competition by Stage Coach Ranch, Robert Sanders, manager, and Stoney Sanders, herdsman.

Bar Jon's Santa Gertrudis

John & Barbara Maxwell
6550 NW 83rd Terrace
Parkland, FL 33067
Phone 305/421-4043

We would like to invite you to the Florida Santa Gertrudis field day June 1st at our ranch in Dade City.
THE EDGE YOU NEED IN COW COUNTRY

Cow Country. You'll find some of it in nearly every part of the nation. It's good for nothing except running cattle. It's hot or dry or humid or rocky or boggy or brushy, and all of it is a challenge to the people who own it. It's tough country to make profitable. We can tell you about Cow Country because we operate a lot of it, and we knew that to make it work, we needed an edge. And that edge is Santa Gertrudis cattle. We bred them to function efficiently on country where a lot of cattle can't even live, to breed and calve with a minimum of problems, and breed back quickly. They're not fancy cattle, but they do the job they were bred to do. If you need an edge in your Cow Country, ask about them. Santa Gertrudis from King Ranch. Top quality registered and commercial females and range bulls available now at private treaty.

King Ranch
In Pursuit of Perfection
Since 1853
Kingsville, Texas 78363
(512) 392-6411
Contact R. P. Marshall or Dirk Rhoad
STAGE COACH RANCH
DOES IT AGAIN!

For the third year in a row Stage Coach Ranch is the Premier Florida Santa Gertrudis breeder. We are very proud of this achievement and think it shows what top quality cattle, progressive management and dedicated herdsmanship can do.

2070 was the winner of the Santa Syndicate Sweepstakes and is owned and shown by Stage Coach Ranch. We will have available some exceptional females bred to 2070 next spring. So if your needs are herd sires, commercial bulls or females we can take care of you.
You're invited to attend the
3rd Annual Futurity Show & Sale
May 25, 1985
Show 1:00 p.m./Sale 3:30 p.m.
Sale Location and Headquarters
Atlanta Marriott Northwest
404/952-7900
Selling 50 Lots
of Quality Seedstock with Proven Background Genetics
Make plans to attend now.
A BBU Approved Sale

Auctioneer: Gerald Bowie
BEEFMASTER BULLS GIVE YOU THE ONE THING YOU CAN'T GET ANYWHERE ELSE

Beefmaster cross cow with her Beefmaster sired calf.

THE BEEFMASTER FEMALE

And that is something!

As a mother cow, she does all you could ask for - she breeds early, carries her calf to birth, calves easily, rebreeds quickly and nurses and protects that calf to weaning. And she's not particular about where she does it. As an extra bonus, she'll wean off the heaviest calf on the place.

She may be just what you need to stay in the cow business.

There's an easy way to get these high producing Beefmaster Females in your herd.

Just switch to a BBU-Registered Beefmaster bull. Now. You'll appreciate the heavy weaning steers. And the heifers will have dollar signs all over them.

For more information on Beefmaster females and for a copy of our color brochure, call or write today.

Gene Kuykendall, Executive VP
Beefmaster Breeders Universal
6800 Park Ten Boulevard
Suite 290 WEST C
San Antonio, TX. 78213
(512) 732-3132

ALWAYS ASK FOR BBU-REGISTERED BULLS. THERE IS A DIFFERENCE!
Monday, May 27, 1985

Henderson’s Atlanta Auctions • Atlanta, Georgia

“Featuring Over 60 Consignments Of Fullblood Limousin Bulls, Females, Open Heifers And Embryos From 32 Fine Limousin Herds.”

1985 Consignors Include:

Worrell Land & Cattle Co., Charlottesville, VA
Woodhaven Limousin, Coolidge, GA
Quercus Farms, Gay, GA
Logan’s Never Done, Cottonton, AL
Dwyer Limousin, Monroe, GA
Nichols Farms, Conyers, GA
Sweetwater Plantation, Thomson, GA
Pineyards Farms, Moultrie, GA
Harloff Limousin, Bradenton, FL
Sandy Acres Limousin, Royston, GA
Carl Johnson Limousin, Brandon, FL
Walker & Walker Limousin, Anderson, SC
Straight Creek Farm, Ft. Payne, AL
Pruitt Limousin, Homer, GA
Grapner Farms, Barnesville, GA
Bingham Limousin, Justin, TX

Twin Hills Farms, Covington, GA
JCL Cattle Co., Welch, OK
Circle L Limousin Land Co., Inc., Burbank, OH
Power Line Limousin Farms, Bristol, TN
Randy Day, Nashville, TN
TEXS Limousin, New Braunfels, TX
Diamond Acres Limousin, Moultrie, GA
CMC Limousin, McDonough, GA
Prine Limousin, Lithia, FL
Allen Limousin Farms, Social Circle, GA
Beams Limousin, Maysville, OK
McKown Limousin, Norman, OK
Lamborn Limousin, Mounds, OK
Symens Brothers Limousin, Amherst, SD
Coyote Hills Ranch, Chattanooga, OK
Horizon Limousin Ranch, Houston, TX

Schedule of Events:

Sunday, May 26
2-5:00 p.m. - Cattle will be on display
7-9:30 p.m. - Dinner buffet, Ramada Renaissance (Ad pages for SELBA Directory will be auctioned during this time.)

Monday, May 27
9 a.m. - Eye Opener, Henderson’s Atlanta Auctions
10 a.m. - Preview of sale cattle
11 a.m. - Sale begins

Sale Headquarters:
Ramada Renaissance
4736 Best Rd, College Park, GA 30337
(404) 762-7676
Shuttle service available to and from Hartsfield International Airport. Call hotel for pick-up.

Sale Management By:

Danny Belcher
Route 2, Box 1434
Warrenton, GA 30828
(404) 465-9786

Sale Consultant:
CANNON MARKETING COMPANY
Carroll T. & Patsie Cannon
P. O. BOX 1421
TIFTON, GEORGIA 31793-1421
912/382-4383
BRAFORD AND CHAROLAIS X BEEFMASTER HEIFERS FOR SALE — TOP REPLACEMENTS FOR YOUR COMMERCIAL OPERATION

40 BRAFORD — 20 CHAROLAIS X BEEFMASTER
CALF-HOOD VACCINATED
BACKGROUNDED ON RYE GRASS AND SILAGE
PALPATED AND CHECKED FOR REPRODUCTIVE SOUNDNESS
BY EMBRYOLOGIST DR. STAN COLEY
SORTED FOR UNIFORMITY, QUALITY AND DISPOSITION

BUY OPEN or BUY BRED. Quercus will offer you the breeding service of their best commercial LIMOUSIN bulls.

BUY-BACK OPTION. In the future Quercus would like the opportunity to bid on your Limousin cross calves out of these heifers to utilize in their stocker-feeder program. Prices negotiable on special package groups.

QUERCUS FARMS
Jack Eberspacher, General Manager
404/538-6303 (farm)
404/538-6507 (home)
Route 1 Flat Shoals Road Gay, Georgia 30218

David Small
Stocker-Feeder Division Manager
404/538-6770 (home)

FULLBLOOD, PUREBRED & PERCENTAGE COWS — includes Twin Hills’ donor population — National Champion Miss Cheryl, Shear Ecstasy (1/2 interest), Trinket Box, Bonus Beauty, Real Dish, Texs Star Aggie and many others — large groups of purebred and percentage cows (many with calves at side), excellent for starting a purebred herd or recipient population.

EMBRYO CALVES WITH SURROGATE MOTHERS & EMBRYO’ PREGNANCIES — boasting matings that include the $177,000 Kiss Me Quick, Miss Cheryl, Trinket Box, Bonus Beauty, Texs Star Aggie & Mandy, Extender, Stretch’s Image, 48K, Texs Ranger Ted, Oklahoma Prince, Pipeline, Delta.

FULLBLOOD, PUREBRED & PERCENTAGE HEIFERS — great depth in pedigrees and performance — bred heifers mated to Extender, Texs Ranger Ted, 48K, Pipeline.

SHOW PROSPECT CALVES — large number available out of some of the breed’s best — Miss Cheryl, June Squaw, Fussette, Network, Stretch’s Image

Sale Activities:
May 27, 1985 — Lakeside Cookout at Twin Hills Farm after the Atlanta Invitational — 6:00 P.M.
May 28, 1985 — Sale Begins at 10:00 A.M.

Sale Headquarters: Holiday Inn, Conyers, Ga.
(404) 483-3220
Sale Day Telephone: (404) 787-3436
Auctioneers: C.K. “Sonny” Booth
Carroll T. Cannon

TWIN HILLS FARM
SENSIBLE BREEDING

COMPLETE LIMOUSIN DISPERSAL

A Sale of Unparalleled Quality, Performance and Magnitude

OVER 250 FULLBLOOD LOTS --- OVER 200 PUREBRED & PERCENTAGE LOTS

One of the Largest Fullblood, Purebred & Percentage Dispersals on Record

May 28, 1985 -------10:00 A.M.

Sale Management By:
CANNON MARKETING COMPANY
Carroll T. & Patie Cannon
P. O. BOX 1421
TIFTON, GEORGIA 31793-1421
912/382-4383

Credit available with prior approval.
Catalog by request only.

Twin Hills FARM
LIMOUSIN CATTLE
105 Hickory Hills Road, Covington, Georgia 30209
Steve Allison, Manager 404/787-3436
GAIL DONALD of Levy County was the 1985 Florida Beef Cook-off winner.

Beef cook-off winner named

Gail Donald, a resident of Levy County, took first place in the annual Florida Beef Cook-off held in Winter Park March 30. She will compete in the national event on September 24–26, 1985, at Wichita, Kansas.

Her “Beef Strudel” recipe won her first prize of $200. The ingredients call for cubed beef top round steak mixed with a flavorful sauce and rolled between layers of strudel pastry and garnished with marinated vegetables.

Contestants from 12 counties competed in the eighth annual event at the Winter Park Adult Education Center. The event is sponsored by the Florida CowBelles and Florida Beef Council for the purpose of understanding the various cuts of beef and their proper preparation.

Second place prize of $100 was awarded to Blanche Johnston, Seminole County, for “Beef Rolls Florentine.” Third place and $50 was won by Nina Bruner, Brevard County, for “Beef Crust Pizza.”

The top recipe as prepared by the winner made six servings at a cost per serving of $1.12. One and one-half pounds of top round beef cut into ½ inch cubes was used in the preparation of the dish.

To obtain a copy of the Florida Beef Cook-off prize winning recipes, send a self-addressed, stamped envelope to the Florida Beef Council, P.O. Box 1929, Kissimmee 32742.

USDA expects fed cattle slaughter above year-earlier levels this winter and early spring, non-fed slaughter expected to be down.
**Triple G Limousin**

Fullblood, Purebred & Percentage

Cattle For Sale at all times.

Sebring, Florida

Wade Goosby
(813) 385-3150 Days
(813) 385-1408 Nights
Russell Lowe, Manager
(813) 382-4692

---

**Bar L H Limousin**

Reg. Limousin, Brahmoosin & Commercial Cattle

Lance H. Ham & Family
Ph: 813/754-1731
5588 Joe McIntosh Loop, Plant City, FL 33566

---

**MILANDI FARMS**

Fullblood, Purebred, & Percentage Limousin

We have cattle for sale at most times—give us a call today!

Andy & Patricia Miller
Route 1, Box 121
Donalsonville, GA 31746
912/521-5780

---

**Nichols Farms**

FULL FRENCH LIMOUSIN

2700 Oglesby Bridge Road
Conyers, GA 30208

David P. Nichols • 404/922-5012
Wallace Nichols • 404/947-3648

---

**Gingerbred Farm**

"Limousin, Brahmoosin and Watusi for Sale"

Breeding Limousin Since 1970

W. E. & Joenell Webb
Box 387, Rt. 15
Maxville, FL 32234
904/289-7159

---

**Auctioneer**

Consultant

H. Fred Dietrich III
10 Seminole Trail
Orlando, FL 32820
Fax: 305/568-2351
Ph: 305/568-2351

---

**Big Horn Cattle Co.**

Watusi

Bred half blood heifers for sale—Semen available

Route 15, Box 387
Maxville, FL 32234
Ray Basso, Office
Ph: 904/737-1722

---

**SMITH RANCH**

SHORTHORNS

Polled and Horned

Our herd is Federally Certified for Brucellosis (No. 400) & Accredited for T.B.

Pauline N. Smith—Owner
813/293-2830 Winter Haven, Fla. 33880
Ranch off SR-542 on Buckingham Rd. 3 miles N.E.

---

**REGISTERED POLLED SHORTHORNS**

Growthy—Rugged

T.B. & Bong’s Certified Here

Fully Acclimated for Southern Conditions

---

**Pineview Farms**

Paul Ragans, owner
Route 2
Madison, Florida 32340
Ph: 904/971-5417

---

**Limousin has EPD values available**

New expected progeny difference (EPD) values are now available from the North American Limousin Foundation, Denver, Colorado.

According to Wayne Vanderwert, NAFLF director of education and research, EPD values are calculated in the same manner as sire summary EPDs, and are expressed in pounds. NAFLF chose EPDs instead of breeding value ratios as they are across-the-breed comparisons and can be compared directly to sire summary EPD values. What is unique about the new information, Vanderwert said, is that, in the past, EPD values have only been available on animals with progeny.

Using a method of calculation known as the "animal model," the following factors were taken into consideration in determining the new EPD values: 1) individual performance ratios; 2) EPDs of close relatives (pedigree analysis); and 3) performance ratios of progeny. The EPDs of mature animals with progeny records on file are primarily based on the performance of those progeny, Vanderwert explained, while EPDs of animals without progeny are based on the animal's own performance ratios and a pedigree analysis.

Contemporary group (animals raised under similar conditions) analysis is the basis for the calculation of the new EPD information. The North American Limousin Foundation processes records on entire calf crops free of charge, providing weaning and yearling summaries. Breeders pay only for registering those animals which they choose to record.

EPDs which Vanderwert defines as "a prediction of the performance of future progeny of an animal in relation to the breed average performance in that trait," have virtually unlimited potential in helping breeders make breeding decisions and in merchandising seedstock.

"These EPDs are a product of the best methods of analysis currently available, and therefore should be an invaluable asset to the performance-minded Limousin breeder," Vanderwert said.

---

**Australian cattle slaughter for seven months was 3.07 million head, down from 3.57 million last year.**
CLUB Calf Sale

Sat. June 23
1:00 p.m.
OKEECHOBEE

13 Champions
1984-1985!

Auctioneer: Fred Dietrich

Selling approximately 50 selected top
quality show steers—Limousin, Simmen-
tal & Angus crosses. All are dehorned,
wormed, had all shots and started on
feed.

Sale location: One mile north of
Okeechobee on Highway 441 North.
Steers will be on display after 10:00 a.m.
on Saturday morning. Call for more infor-
mation.

FREEMAN CATTLE CO.

OKEECHOBEE, FL 33472
PHONE 813-763-3610

For information on
MORE PROFITS
and
LESS PROBLEMS

Contact these
Breeders
or

Florida
Limousin
Association

P.O. Box 636
Okeechobee, FL 33472

SIMMONS
LIMOUSINS
Jim & Orie Simmons, owners
904-629-6465
8697 W. ANTHONY RD. N.E.
OCALA, FLORIDA 32670

DONINI
Limousin Ranch
John Donini
Owner
Gina Holt
Ranch Manager
813/752-9086
813/752-9086
Rt. 1, Box 177B, Dover, FL 33527
Home of Mr. Top Hat

Sunset Ranch
Limousin Cattle For Sale
Art Schrader & Sons
San Antonio, FL 33576
904/588-3321

Paul C. Thomas Ranch
P.O. Box 1092
Mount Dora, FL 32757
904-383-6437

LIMOUSIN & BRAHMOUSIN

THE FLORIDA CATTLEMAN / MAY 1985 / 89
Access to Japan beef market sought

The National Cattlemen's Association has called for action which will lead to further increases in shipments of U.S. beef to Japan.

Voicing impatience with Japanese obstacles to fair trade, NCA board members declared that Japan should take steps to liberalize its market for American beef.

The board, at a recent meeting in Washington, adopted a statement calling for increased access to the Japanese market. The U.S. industry position was to presented to be Japanese industry and government officials by NCA President Jo Ann Smith when she visited Japan April 3-12.

"Our members have indicated repeatedly that expansion of U.S. beef exports to Japan and other countries is a high priority objective," Smith said. "Cattlemen are insisting that, if this country is to go on importing many billions of dollars worth of Japanese goods each year, Japan must reciprocate and allow greater access to its market for beef. I will advise the Japanese in no uncertain terms that our members expect to see further increases in access to the Japanese market."

The NCA statement, signed by every board member at the Washington meeting, said: "The current U.S./Japan beef trade agreement allows an annual increase in the amount of beef exported to Japan. However, the Japanese market could accommodate significantly more American beef.

"NCA members have become increasingly impatient with limitations on access to the Japanese market. In fact, American producers have suggested imposing retaliatory trade sanctions against Japanese products imported into the U.S. unless markets for U.S. beef are opened.

"Therefore, the NCA board of directors strongly supports U.S. trade negotiators as they seek greater access to the Japanese market. And the board endorses the following policy statement, which was adopted by NCA members at the recent annual meeting."

The resolution adopted by the members cited problems in getting Japan to adopt more open-door policy, and it stated, "Should Japan not show clear evidence that it is engaging in meaningful liberalization action in its market for American beef, the NCA and the entire livestock industry (should) officially contact President Reagan, the Office of the Special Trade Representative and members of both houses of Congress to utilize whatever means are available and necessary to impose an import surcharge on all Japanese imports that is sufficient to overcome the present trade imbalance."

The current four-year U.S./Japan agreement, which expires March 31, 1987, provides for an annual increase of 6,900 metric tons in the quota on fed beef imported into Japan. U.S. cattlemen contend that action should be taken to open the Japanese market as soon as the agreement expires.

The NCA board members noted that "Japanese beef cattle raisers produce an extremely high quality product. American producers do not intend to compete with the domestic Japanese product and hurt Japanese beef producers. Instead, we would enhance and further expand the Japanese beef market with grain-fed beef from the U.S."
BBU symposium set for June at LSU campus

Beefmaster Breeders Universal will present its 1985 Breed Improvement Symposium June 7-8, on the Louisiana State University campus, Baton Rouge, Louisiana.

Officials of the association say the event will be geared to bring together practical information on the three main elements of beef production—genetics, management, and marketing.

Topics and speakers will be based on practicality with as little theory as possible, officials said.

The segment on genetics will cover planned matings, selection, and a look at what other breeds are doing.

The management segment will examine programs that vary according to geography, mating systems, available nutrition and marketing programs.

The marketing segment will cover attitudes and psychology of selling; the role of advertising in marketing; selling to the purebred market; investments and the tax laws; and selling bulls to commercial cattlemen.

Association officials say the symposium will be the most complete self-help program ever offered to BBU members and other interested cattlemen. For more information, contact the BBU office at San Antonio, Texas.

Red Brangus sale averages $2110

The Oakway Farms Annual Red Brangus Spring Spectacular Sale, held March 23, at Cameron, Texas, saw 116.15 lots gross $245,025 to average $2110.

Forty-two heifers grossed $98,500 to average $2345, while 74 yearling bulls grossed $114,025 to average $1541.

Buyers at the sale came from Texas, Louisiana, Oklahoma, Arkansas, Mississippi, Arizona, Missouri, Oregon and Mexico.

SUBSCRIBE NOW!

Specialists in Beefmaster Cattle
Isa Cattle Co., Inc.
Box 60327, San Angelo, TX 76906
915/849-3763

WEWATCHEE BEEFMASTERS
P.O. BOX 72, MALONE, FL 32445
904/569-COWS
For Sale: Bulls, Cows, Heifers & Hero's Semen.
Certified Herd No. 2283

ADVERTISING PAYS & PAYS

Wise Management, Inc.
SALES MANAGEMENT & PRIVATE TREATY SALES
TRAVIS WISE
813/665-0655 Office
813/665-3665 Residence
P.O. Drawer 40
Lorida, Florida 33857
By Any Measure... Buy Red Brangus!

While other breeds have concentrated on the more cosmetic aspects of the cow business, Red Brangus breeders have been exerting their efforts to the meat of the issue — producing extra pounds of lean red beef.

That's why you'll find more Certified Meat Sires in the Red Brangus breed than almost any other. That's why you'll find most Red Brangus breeders maintaining detailed performance records from birth weights through yearling weights and heights. That's why you'll find more progeny testing in our breed than probably any other.

Shouldn't you find out more about Red Brangus?

Contact the:
American Red Brangus Association
Dept. P.O. Box 1326 Austin, Texas 78767 512/451-0469

Sugarcoat deal will sweeten Brahman breed

United States Sugar Corporation's Sugarland Ranch, Clewiston, and Double J Ranch of Scott, Louisiana, have announced the formation of a partnership in superior Brahman genetics. The agreement is called the "Sugarcoat" Partnership.

Principles involved in the agreement are Mike Milicevic, vice president of cattle operations at USSC, and John Jefcoat, owner of Double J Ranch. They announced a three part agreement.

(1) The transfer of a select group of Sugarland's top producing females to the Double J Ranch in Louisiana. The Brahman females will be mated to Double J Ranch's herdsire battery known as one of the most successful programs in the Brahman breed.

(2) The exchange of the Double J Ranch herdsire JJ Didor Imperator 475 and USSC's Suville 412/9. The 475 bull is sired by Register of Renown bull JTW Ferno Didor Manso 449/1, out of Register of Renown cow Miss Melrose Pare 278/1. He is a full brother to JJ 251 and JJ 226. The 412/9 bull is sired by Sugarland's Suville 100 927/5, a Register of Renown sire whose own sire, Lok-Mor Suville 11, is also Register of Renown out of a daughter of JDH Loxey Gamel de Manso 55, a Register of Renown.

(3) Sugarland Ranch will use Double J Ranch herdsires including JJ Didor Crata 389, 1983 National Champion, JTW Ferno Didor Manso 449/1, Register of Renown, Sugarland's Poncrata 100 52/7, Register of Renown, and Montana 92/6.

Milicevic says the agreement gives both parties the ultimate opportunity to blend the two genetic programs,
resulting in offspring that should transcend current Brahman genetics for years to come. "We hope to magnify the consistent performance of these cattle that has been so exactly established in their predecessors, thereby filling the performance void long neglected in the Brahman breed," he said.

Jefcoat said he has long admired U.S. Sugar cattle, the company's commitment to superior genetics and history of precise performance records. "In the Brahman breed, we felt like U.S. Sugar and ourselves were the only people that have performance records for several generations and have continued to make performance progress. With the increased value of superior genetics, the economics of obtaining outstanding animals has become cost prohibitive. This commitment and my respect for the people at USSC are my reasons for organizing this, the Sugarcoat Partnership," Jefcoat said.

**New Brahman group seeks fieldman**

The Southeastern Brahman Association directors met on March 15, at Montgomery, Alabama, and formed a hiring committee to actively seek a fieldman.

Ron Gelvin, Bartow, president of the association, said that anyone interested in the position should contact him at 813/533-4196, or James Coker, Hayneville, Alabama, at 205/227-4436.

Other items discussed at the meeting included the establishment of a central Brahman bull test at Berry College, Mount Berry, Georgia; the participation of SEBA at the Sunbelt Expo, Mountrie, Georgia, and the organization of new state junior Brahman associations.

The next meeting of SEBA directors will be Friday, May 16, at 6:00 p.m., at Davis Brothers Motor Lodge, Bartow.

**Carolina Brahman sale scheduled**

The South Carolina Brahman Breeders and Southeastern Brahman Association will co-host the first annual South Carolina Brahman Sale at Chester Livestock Market, Saturday, May 11.

The sale will start at 1:00 p.m. Lunch will be available at the sale. Sale headquarters will be the Ramada Inn at Rock Hill, South Carolina.
Ironwood to host Florida Brahman field day

Ironwood Farms, Madison, owned by Bill and DiAnne Thompson, will host the Florida Brahman Association Field Day and annual membership meeting on Saturday, June 1, 1985.

Registration will open at 9:30 a.m. and the program will get underway at 10:00 a.m. Greg Carlton, Clewiston, president of Florida Brahman Association, said a seminar is planned on Brahman selection, crossbreeding, handling Brahman cattle, and performance testing.

Lunch will be compliments of Ironwood Farms, and the Thompsons will direct a tour of the ranch’s breeding program and other farming operations following lunch.

After the field day program concludes, the annual membership meeting of Florida Brahman Association will be held at the ranch.

The Thompsons purchased the base of their purebred Brahman herd from W.H. Stuart Ranch, Inc., Bartow. They have shown their production at Florida shows on a limited basis and won a number of championships at the 1984-85 shows.

In addition to the cattle, the Thompsons are also engaged in a unique tree farming operation. They have invited all interested cattlemen to attend the event.

Grooms receives Brahman award

Randall Grooms, Overton, Texas, recently received the Brahman Friend of the Year award from American Brahman Breeders Association, Houston, Texas.

Grooms is a livestock specialist with Texas A & M University at the Texas Agricultural Extension Service office, Overton, Texas. He has held the position for 14 years. He received his doctorate from the University of Georgia where he served as a teacher, judging team coach, and livestock coordinator.

Grooms organized and developed the programs for the original cow-calf clinics in Texas. He is an approved ABBA judge and has judged the national shows for 12 different U.S. beef breeds.

He is a strong supporter of performance testing and has devoted considerable time to youth livestock programs.
WASHINGTON REPORT

NCA Work Priorities Set

In an effort to focus association resources and efforts on issues of most importance to most cattlemen, the National Cattlemen's Association has identified a list of top priority issues to work on in the coming year.

The priorities were determined on the basis of a member survey, economic analyses and deliberations by the executive committee and board. Many of the priority issues can have a direct and quick impact on profits. Other issues are longer term. Some involve a cooperative effort with other livestock industry groups.

The following is a general description of priority issue areas:

1. Tax issues—retention of cash basis of accounting, capital gains, depreciation and investment tax credit.
3. Beef perception—improve consumer understanding on safety of beef and encourage government to issue factual diet information which includes beef.
4. Grading issues—seek voluntary yield grading of “no-roll” carcasses, pursue development of electronic beef grading equipment, and develop a quality grading change proposal acceptable to the entire industry.
5. Price reporting—develop more accurate and useful beef price reporting system.
7. Clear title—seek federal legislation to make clear title laws uniform in all states.
8. Farm policy—reduce government’s role in agriculture, move toward a market-oriented farm policy, and oppose user fees for mandatory meat inspection.
9. Research and education—expand role of National Cattlemen’s Foundation

Nutrition Information

NCA has asked the government to help see that factual nutrition information on beef as well as other foods is widely disseminated.

When government agencies and health organizations issue diet advice, they often caution against “too much” fat, saturated fat and cholesterol. Most of those information sources do not now recommend against red meat. In fact, they may specifically mention that lean meat is an appropriate part of restrictive diets.

A problem for the beef industry is that some persons interpreting the diet recommendations—including persons in health care work and in the media—automatically assume, and state, that beef is a major source of fat and that its intake should be cut.

Actually, as official government data on nutrition content show, beef can and should be part of the diets of persons concerned about calorie, fat and cholesterol intake. New USDA data on the nutrient composition of modern beef are expected to be released soon, and that information can be used by agencies and health organizations, as well as the industry, to clear up misconceptions and improve understanding of what actually is and is not in cooked beef.

NCA Seeks Increased Beef Exports

Greater access to foreign markets is needed if the U.S. is to resolve its farm crisis. One of the biggest problems in increasing agricultural exports is the strength of the dollar, currently very high. While NCA recognizes that reducing the federal deficit may not solve the entire problem, it is considered a first and necessary step.

NCA leaders, in testimony before Congress, have called for multilateral trade negotiations that would help relieve tariff and non-tariff trade barriers as well as export restraints on agricultural products. Multilateral negotiations offer a vehicle to resolve the problems that underlie protectionism in a broad international setting.

NCA members have indicated repeatedly that expansion of U.S. beef exports to Japan and other countries in a high-priority objective.
You can MILK* our product for all it's worth!

FOR SALE
500 HEAD OF HOLSTEIN HEIFERS

Our artificially sired heifers consistently produce a high yield, and actually have individuals producing up to 80 lbs. of milk a day within a couple of weeks delivery. Save money by buying direct from:

CAREY CATTLE COMPANY
2517 W. Brandon Blvd.
BRANDON, FL 33511
813-689-1249

*Remember ... only Love beats Milk!

TAKE TIME

OBSERVE LABEL DIRECTIONS

Feed Florida Molasses ... rich in easily digestible energy

Florida Molasses Exchange, Inc.
31 West 20th Street—P.O. Box 10644
Riviera Beach, Florida 33404
305/848-1301

The Florida DAIRY FARMER

Evaluating the replacement program
Vitally important to dairymen

by B. HARRIS, JR.
University of Florida

The survival of the dairy industry is dependent on the success of someone involved in raising quality replacements. Raising replacements can be a real pleasure, providing good health can be maintained and the cash flow situation remains sound.

There are a number of systems used by dairymen for growing replacements and all can be good and sound. The greatest failure frequently occurs when poor management principles are applied to the system. Disease and health problems usually cause the most trouble and therefore must receive top priority.

Most Florida dairymen separate the newborn calves from their dams within a few hours of birth and the calves are hand-fed colostrum. The calves are generally fed 1-2 quarts of high quality colostrum (first milking) as soon after birth as possible. The reasoning is based on the fact that newborn calves are devoid of antibodies at birth and need to receive the antibodies from colostrum to give immediate protection from many of the invading organisms and viruses that they may be exposed to in early life. The degree of protection the calf receives depends on how soon the colostrum is consumed, the quality of colostrum, the amount, and the absorption of antibodies through the gut wall. Few antibodies are absorbed after the calf is 24 hours old.

The calf is tattooed and eartagged soon after birth for future identification and placed in an individual portable or permanent pen. The pen provides protection for the calf and serves as a place where feed and water is made available.

As raising any young animal, sanitation is exceedingly important since calves have only begun to develop their immunity system. This is especially true during the early milk feeding period when nipples and buckets can easily become dirty and contami-
12-15 percent cottonseed hulls. Other well-liked coarse textured ingredients frequently used are cracked corn, soybean hulls, rolled oat or barley and wheat midds. The final ration may be balanced with soybean meal and other selected feedstuffs and additives. A calf grower ration may contain similar ingredients as used for lactating dairy cows.

Dairymen normally provide hay to calves at about six weeks of age or shortly after weaning. It is usually best to leave calves in individual pens for two weeks after weaning in order to prevent the nursing of other heifers and to observe more closely.

By two months of age, calves are usually placed in groups according to size and fed a grower ration with available hay. Smaller groups of 10-12 calves appear to work better by permitting closer supervision and fewer health problems. The calves should be fed a ration that provides enough nutrition for them to gain about 1.5 pounds per day (larger calves) and 1.0 pounds per day (smaller calves). After the large breed calves reach 250 pounds, they should be gaining at the rate of 1.8 pounds per day and the smaller breed calves 1.2-1.4 pounds per day.

Heifers are usually allowed pasture, if available, at 5-6 months of age. Generally, calves at this age should be supplemented with 2-5 pounds of grain per day. The amount of supplementation will depend on the quality of pasture and its availability. A good heifer pasture should provide fresh water, some shade and free choice minerals.

Simple guidelines for growing replacement heifers are available through a number of sources. Those guidelines may be adjusted and improved upon to fit your farm conditions. Good management and a sound commitment is essential. Maintaining a good herd health program will reduce the risks of costly problems.

**Buckler elected by dairy group**

Joseph Buckler, Lakeland, was recently elected vice president of Virginia-North Carolina-Florida Select Sires, Inc. He has served on the board of directors of the group for seven years.

The dairyman serves on the Brown Swiss committee of Select Sires, Inc., parent organization of the Virginia-North Carolina-Florida company.
LET CLASSIFIED ADVERTISING SELL FOR YOU

Rate $35 per word, minimum charge $6.00. Classified display $18.00 column inch. Deadline 5th of month. In circulation about 25th of month. Send copy and remittance to:

THE FLORIDA CATTLEMAN, BOX 1403, KISSIMMEE, FLORIDA 32742-1403

CLASSIFIED

Advertising

A Great Real Estate Investment

with a Built In Business Opportunity

Apokka (Orlando) Florida

An Exclusive Helmsley-Spear Listing

1) Location: Highway 441, Apokka, Florida—5 miles west of Orlando, Florida.
2) Name of Business: Apokka Saddlery (specializing in western wear, saddles, tack, etc., etc.). Sold by owners for 16 years—retiring.
3) $250,000 Inventory included at cost, to be inventoried at closing for actual cash value.
4) Property runs street to street, approximately 75' on Highway 441 (store front side) and approximately 350' on back street (Old Cheyney Highway). Approximately 180' deep.
5) 8,000 Sq. Ft. building (including living quarters if desired).
6) Two small rental houses on back of property.
7) Entire site is zoned Commercial—for expansion or mini warehouses, etc.
8) Almost new $16,000 computer included.
9) Sellers will train new owners if desired.
10) Price: $500,000.00 or Terms Negotiable.

For further information, contact:

ED HENDRY or DICK WEBER
(305) 626-3909 Days

A RICH COUNTRY

12,627 ACRES

Cattle Ranch located in Northeast Hillsborough County.
$1,200 per acre. Principals or principal’s agents only.

JAMES W. GARDNER
CORPORATION
Suite 1710
One Tampa City Center
Tampa, Florida 33602

BEEF GIVES STRENGTH

REAL ESTATE

**CITRUS**

O.R. (Rick) MINTON, JR.

Broker

STOP, Inc. REALTORS

P.O. Box 187

Ft. Pierce, FL 34945

RECOMMENDATION:

WANT TO SELL—Your Cattle Ranch, Acreage or Citrus Grove?
Contact BRENNAW & BRENNAW, REALTORS, Accredited Farm & Land Brokers. Box 1809, Lakeland, FL 33802.

2500 ACRES

Lake and Marion Counties, 900 acres wooded, 360 acres improved pasture. $850 per acre—terms.

W.H. Morse Corporation, Realtors

P.O. Box 2345

Kissimmee, FL 34741

CATTLE RANCHES & FARMS—Nation Wide. BRENNAW & BRENNAW, REALTORS, Accredited Farm & Land Brokers, Box 1809, Lakeland, FL 33802.

1,350 Acres

East of Okeechobee with 2 miles front footage on Berman Road. 500 improved—rest range grass with some woods. $1,500 per acre. J. Walker Field, P.O. Box 21343, Ft. Lauderdale, FL 33335, (305) 763-2128.

600 acre Hardee County Ranch. About ½ improved, ½ in beautiful woods with excellent hunting. Paved road frontage, tremendous potential.

JOE L. DAVIS, INC., Realtors

P.O. Box 1149

Wauchula, FL 33873

813/773-2128

813/452-5111

813/735-0391 even.

2,000 Acre ranch, Indian River, $800 per acre. Excellent cow/calf operation. 875 acres DeSota County, suitable both ranching and groves. Excellent drainage. Good Terms

CARY MERCER

Realtor Associate

P.O. Box 789

BROOKSVILLE, FLORIDA 34614

TURNER REALTY, Not Inc. Business (813) 484-4777

105 South Broadway Avenue

Arcadia, Florida 33921
MEAT PACKERS AND CATTLE FEEDERS

P.O. Box 427
Bartow, Florida 33830

FEDERALLY INSPECTED

PLANT PHONE
Bartow 813-533-0685

COMMODITY BUYER
Mike Richter—Bartow 533-0685

FEEDLOT MANAGER
Don Bryan—Bartow 533-0685

CATTLE BUYERS

L.C. Hendrick—Mt. Meade 813/285-9875
Steve Marchant, Blountstown 904/974-8593
Irvin Toback—Lakeland 813/644-9963

James Price—Bartow 813/533-7233
Bernie Gordon—Lakeland 813/644-4360
Charles Smith—Moultrie, Ga. 912/985-1338

REAL ESTATE

NORTHWEST FLORIDA
RANCHES

1300 acre Ranch, 1100 acres open, abundance of water numerous buildings, fenced and cross fenced—good terms.
1120 acre Farm, 800 acres open, well fenced, excellent soils.
Also available—2750, 1800, 8000 acre Ranches.

Florida Farm Realty
Ronald Thompson
Lic. Real Estate Broker-Salesman
Drawer 250
Alford, Florida 32420
904-579-4694

MISCELLANEOUS

Railroad Cross ties
7 inches x 9 inches x 3/4 ft. long. Can get up to 15 ft. length, all hardwood. Buyer unloads. Cash on delivery. Phone 904/625-1370.

LEGAL NOTICE

The Florida Game and Fresh Water Fish Commission will accept bids on seven (7) grazing leases on the C. M. Webb Wildlife Management Area in Charlotte County. The leases are for five (5) years, beginning September 2, 1985. The leases range in size from 1,079 acres to 7,196 acres. Information regarding bid procedures and grazing lease specifications may be obtained by writing one of the following addresses:

Ms Helen L. Higgins
Florida Game and Fresh Water Fish Commission
620 South Meridien Street
Tallahassee, Florida 32301

Mr. Larry Campbell
Florida Game and Fresh Water Fish Commission
Route 2, Box 992
Ponce de Leon, Florida 33555

Grazing leases may be inspected by appointment with Mr. Larry Campbell from 8:00 a.m. to 5:00 p.m. May 6 through 8, 1985. Bids will be opened in the offices of the Florida Game and Fresh Water Fish Commission in Tallahassee on May 10, 1985 at 2:00 p.m. The Commission reserves the right to refuse or reject any or all bids.

Florida Game and Fresh Water Fish Commission
Colonel Robert M. Brantly, Executive Director

EQUIPMENT

SILAGE-PRESS and bagging machine in excellent condition, $6,950.00; 2 row Bermuda Grass Spriger, Sprig-O-Matic, $870.00. Call (904) 357-5561 (Exuisis).

HELP WANTED

EXPERIENCED RANCH FOREMAN WANTED for registered beef operation in Central Florida. Knowledge of A.I. and fence repair helpful. Send resume to P.O. Box 1403-B, Kissimmee, Florida 32742-1403.

ADVERTISING

Jackets, Caps, T-Shirts, Golf Shirts, Decals, Pens, Key Tags, Calendars and more than 50,000 Ad Ideas.

FLORIDA PROMOTIONS CO.
3143 N.E. 14th St., Ocala, FL 32670
(904) 732-3302

Harvesting of Bahias and Other Seed Crops
Argentine Pensacola and Paraguay Bahia Grass Seed For Sale
Davy Partin
Rt. 3, Box 2476St. Cloud, Florida 32769
305-892-9265

PELICAN PUMPS

Since 1945

- Portable Tractor P.T.O.
- Stationary 6’ to 30’ Lifts
- Rental Pumps—6” to 30”.
- New Pumps Used Pumps

Box 65, Canal Point, FL 33438
(305) 924-5577, evenings (305) 286-8921

- ADVERTISE -

Long and short distance hauling
Jim Perkins
Livestock Hauling, Inc.
Rt. 3, Box 831
Dover, FL 33527
Phone: 813/659-1362

WHITE
Meat Packers of Florida
U.S.D.A. Inspected

Daily Cash Market for all classes of cattle—including Feeder Cattle
Charles Overstreet, Manager

1-800-342-0998
904/622-3272
904/622-7714

THE FLORIDA CATTLEMAN / MAY 1985 / 99
Once again, it is time to warn horse owners about the threat of Horse Sleeping Sickness (Equine Encephalomyelitis) and urge them to protect their horses by having them vaccinated before this year's outbreaks of encephalitis occur.

Equine Encephalomyelitis or Horse Sleeping Sickness is endemic to Florida. Cases occur each year. Of course, the number of cases that will occur depends on (1) the weather, (2) the mosquito population and (3) the number of susceptible or unvaccinated horses in the area.

A review of the Diagnostic Laboratories' records for the past four years (1981-1984) indicates that, during this period, the laboratories diagnosed 414 cases of Equine Encephalomyelitis. It is interesting to note that 90 percent of these cases occurred during the seven month period from April to September. The majority of the cases occurred during the months of June, July and August. The year with the greatest number of cases was 1982, when 202 were diagnosed. Since then, there has been a gradual decrease in the number of cases diagnosed. It is hoped that this downward trend indicates an increase in the number of horses that are being vaccinated annually.

Equine Encephalomyelitis is a viral disease which affects horses, man and other warm-blooded animals. There are three strains or types of the disease—Eastern Equine Encephalomyelitis (EEE), Western Equine Encephalomyelitis (WEE) and Venezuelan Equine Encephalomyelitis (VVE). Generally speaking, the Eastern strain is found only along the Atlantic seaboard and the Gulf states. The Western strain is found in the Central and Western parts of the U.S. At one time, the Venezuelan strain, which today is found only in parts of Central and South America, occurred in Mexico and South Texas. These three strains of Equine Encephalomyelitis virus are members of a large group of viruses known as ARBOR or AThropod-BORNe Viruses. Viruses of this group are
transmitted from host to host by biting insects such as mosquitoes, ticks, mites and other arthropods. Wild birds are the natural host or reservoir for the Eastern and Western virus. The natural hosts for the Venezuelan strain are rodents (mice, rats, etc.). In nature, the virus is transmitted from bird to bird and rodent to rodent by mosquitoes. Transmission occurs when a mosquito feeds on an infected host, becomes infected and then has a second blood meal on a non-infected bird or mammal. Mosquitoes looking for a blood meal are not selective and will feed on horses, cows, pigs, dogs, man and domestic fowl as well as wild birds or rodents. Horses and man do not play a role in the transmission of the disease because their viremias (virus in the blood stream) period is very short and the concentration of virus in the blood stream is fairly low.

The clinical signs for the three types are fairly similar. However, they will vary in severity. Western is considered the mildest form and Venezuelan the severest. Signs (symptoms) may include fever, impaired vision, irregular gait, wandering, grinding of the teeth, drowsiness, with alternate paralysis and death. Mildly affected animals may recover a few weeks after the signs of the disease are first noted. Death will vary from 20-50 percent in Western infections to 90 percent or higher in Eastern and Venezuelan infections. Clinical signs are seldom seen in infected cattle, pigs or dogs. Chickens are quite resistant to Eastern infection; however, the disease is highly fatal to chukkars and pheasants.

Man can also become infected. During the past few years, several human cases, some resulting in death, have occurred in Florida. In all cases, the individuals had spent some time in mosquito breeding areas and had been severely bitten.

Some of the state's county health departments conduct annual ARBOR virus surveillance programs. These programs consist of placing chickens in selected locations throughout the county. Starting in early spring, the birds are bled weekly and their blood is tested for the presence of Eastern and St. Louis Encephalomyelitis antibodies. Birds are sero-convert (when test changes from negative to positive) provide health authorities information that virus-infected mosquitoes are in the area and that mosquito control measures should be intensified.

Equine Encephalomyelitis infection in horses can be prevented by proper vaccination. All commercially available vaccines are bivalent (contain both Eastern and Western virus). Adequate protection in unvaccinated animals requires two injections of the vaccine, given about two weeks apart. Vaccinated animals should receive an annual booster injection in the spring of each year. Young foals, who are nursing vaccinated mares, may have levels of maternal antibody that can neutralize the vaccine virus. If a young nursing foal is vaccinated, it should be revaccinated (two injections) shortly after weaning.

On the basis of our studies, it is recommended that all horses be vaccinated in the spring (April). The time to vaccinate is NOW. You should contact your veterinarian and make arrangements to start your horses' Encephalomyelitis vaccinations as soon as possible. Please spread the word to other horse owners about the ever present threat of Sleeping Sickness.
WHEN YOU RAISE BULLS TO SELL, YOU NEED TO SELL 'EM.

So you fatten up your young bulls and they all look like a million dollars. Or—you give them enough to eat and room to roam, and you show the young bulls in their working clothes.

That’s what we do at Jabali! They are not so fat—not so slick, but they are all bull, all good red brangus meat.

---

Editorials

**Increased beef exports needed**

“'It is time to look at how America is being treated at the marketplace by the Japanese and begin to treat the Japanese accordingly.' That statement was made by Senator Lawton Chiles when he introduced legislation recently to restore balance and equity to American-Japanese trade.

The legislation—The Export Promotion and Economic Growth Act of 1985—would empower the President to take stringent measures affecting Japanese imports unless Japan allows $10 billion more of American goods to be sold in that country. Added American exports to Japan would reduce the trade imbalance from the present $37 billion each year to $27 billion.

Which brings in the idea of greater access to foreign markets if the U.S. is to resolve its farm crisis. Cattle industry leaders, appearing before Congressional committees, have called for multi-lateral trade negotiations that would help relieve tariff and non-tariff trade barriers as well as export restraints on agricultural products. Such multilateral negotiations would aid greatly in resolving the problems concerned with protectionism on an international scale.

At this writing, NCA President Jo Ann Smith is returning from a trip to Japan where she advised the Japanese that further increases in access to the Japanese market are expected to be seen by the beef cattle industry.

We think Florida's senior senator's proposal is timely and will help in the effort to restore balance to the marketplace. We commend his action and that of the National Cattlemen's Association.

**Legislative committee holds session**

FCA President Joe Marlin Hilliard chaired the legislative committee's session in Tallahassee early in April where members received word on pending and proposed legislation from Pat McCaffrey, governmental affairs director for the association. The committee is comprised of the executive committee and selected members.

The meeting is held in the Capital City to coincide with the opening of the Legislature and Legislative Appreciation Day each year. A great deal is usually accomplished and positions on various pieces of legislation are established as guidelines for action to be taken in the weeks to come.

It's another example of a number of dedicated cattlemen taking time away from their operations to help the industry. Their efforts are appreciated very much.

**June convention coming up**

Site of the 1985 June convention is the new Marriott's Harbor Beach Resort in Fort Lauderdale. Dates are June 19-21. The hotel facility is right on the ocean front and there'll be plenty of things and activities for the whole family to participate in.

Keep in mind this is the "new Marriott" and not the one FCA's convention was held at a few years back. Registration forms and hotel reservation forms have been mailed. Be sure and get your registration in early. Pre-registration will save you money.

**Beef cattle short course set**

There's a change in location for the annual (the 34th) Beef Cattle Short Course. It will be held at the Gainesville Hilton Hotel. The change was in response to cattlemen asking for a more comfortable setting to facilitate exchange of information. Dates are May 1-3.

Make your plans to attend. The theme will be "Recent Advances in Beef Cattle Reproduction and Management." It'll be a good one.
WHICH CAME FIRST?
One female worm can deposit up to 10,000 eggs on your pasture every day.

Low-Level

PHENOTHIAZINE
USE IT ALL YEAR LONG

Daily-dose Phenothiazine is the only dewormer that also continuously attacks worm egg production. Worm Control is achieved by worm prevention! A Bonus...daily-dose Phenothiazine in P.D.Q. is larvical to flies that breed in the manure of treated cattle.

University trials* show:
(1) 60% reduction of adult worms in 60 days (Wisconsin)
(2) 95% reduction of adult worms in 145 days (Ireland)
(3) 95% fewer 4th stage larvae in 145 days (Ireland)
(4) 99% fewer infective larvae on pasture in 145 days (Ireland)
(5) Calves up to 45 pounds heavier at weaning (Virginia Polytech Inst.)

* Trials at U. Wisconsin, Irish Agricultural Institute and V.P.I. compared animals on Phenothiazine to non-medicated animals under very similar conditions. Dairy replacement heifers were used in Wisconsin. Stocker animals were used in Ireland. Irish and Wisconsin trials were done with severe worm challenges. Results in the V.P.I. test were best in the second year of the trial, but were achieved with almost insignificant worm infestation in the herds (calf-calf operations). Eggs per gram at the start of the trial were 0 to 25...too low to warrant therapeutic treatments.

P.D.Q.™ Supplements With Phenothiazine
USE THEM ALL YEAR LONG

Haemonchus, Ostertagia, Trichostrongylus, Chabertia, Bunostomum, Cooperia, Oesophagostomum

Now you can buy
ORIGINAL P.D.Q. quality at
Special Spring Savings!

$10 per ton Discount on
P.D.Q. 7 (Plain and Pheno) and
P.D.Q. MVS (no protein-for low consumption).

$20 per ton Discount on P.D.Q. 20 (Plain and Pheno).

BECAUSE GRASS ALONE IS NOT ENOUGH™

P.D.Q. Company
P.O. Box 116 Lakeland, FL 33802 Phone: 813/682-6144
Member, Florida Cattlemen’s Association
Florida Pasture Trials with replacement heifers

These heifers were fed liquid feed with or without LTM on Florida spring grass.

<table>
<thead>
<tr>
<th>TREATMENT</th>
<th>CONTROL</th>
<th>LTM</th>
</tr>
</thead>
<tbody>
<tr>
<td>Avg. Da. Gain</td>
<td>1.10 lbs.</td>
<td>1.27 lbs.</td>
</tr>
<tr>
<td>% improvement</td>
<td>61%</td>
<td>78%</td>
</tr>
<tr>
<td>Conception rate</td>
<td>61%</td>
<td>78%</td>
</tr>
<tr>
<td>% improvement</td>
<td>15.4%</td>
<td></td>
</tr>
</tbody>
</table>

Florida Pasture Trials with replacement heifers

These heifers were fed liquid feed with or without LTM on Florida spring grass.

<table>
<thead>
<tr>
<th>TREATMENT</th>
<th>DAILY GAIN</th>
<th>IMPROVEMENT</th>
</tr>
</thead>
<tbody>
<tr>
<td>Controls</td>
<td>0.87</td>
<td>--</td>
</tr>
<tr>
<td>LTM</td>
<td>1.18</td>
<td>36.0%</td>
</tr>
</tbody>
</table>

LTM is a product of advanced biological technology which improves rumen efficiency, weaning weights, and weight gains on pasture.

Suga-Lik® 612 is a liquid feed with 12 percent protein and high in ENERGY.

Call (813) 983-7946 or 1-800-282-4418 or your nearest distributor.