Protect your cattle investment —

FEED NUTRENA CLS-32 CONTROLLED RELEASE NOW

Supplemental feeding is a must to protect your investment in your cattle operation. And your Nutrena man can show you how labor-saving CLS-32 Controlled Release feeding helps improve breeding results, size of calf crop and size of calves in the spring.

Nutrition makes the difference. Nutrena CLS-32 Controlled Release makes it easy to provide the supplemental protein, vitamins and minerals to meet the increasing needs of brood cows. It helps cattle utilize grass efficiently and get the daily nutrition they require. This promotes:

1. Maximum carrying capacity per acre.
2. Regular cycling and breeding.
4. Normal growth in heifers or other young stock.
5. Year-round condition that helps keep cows in the herd for a long productive life.

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Bell, Florida

FORT KING RANCH
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SAM TRIBBLE
Phone 767-1979
Daytona Beach, Florida

PEACOCK'S LIQUID FEED SERVICE
Phone 752-1305
Plant City, Florida

SEMINOLE STORES, INC.
Phone 732-4143
Ocala, Florida

WEBSTER FARM SUPPLY
Phone 793-4483
Webster, Florida
ALTHOUGH I WAS UNABLE TO ATTEND THE AMERICAN NATIONAL CATTLEMEN's mid-year meeting in Denver recently our national association is working hard to develop long and short range programs to relieve the economic crunch we are now suffering.

THE MEETING WAS ATTENDED BY REPRESENTATIVES OF THE THIRTY-nine individual state organizations, the six state feeder organizations and the fourteen purebred associations which make up ANCA.

THE COUNCIL OF ECONOMIC ADVISORS TO THE AMERICAN NATIONAL IN their report reiterated our current basic problem of numbers. Of course this is true for all states but to a greater degree in the southeast and Florida. ANCA stressed the necessity of reducing "mama cow" numbers so we can reduce our calf crop and not be plagued with continuing low prices in 1976-77.

THE MARKETING OF LIGHTWEIGHT CATTLE HELPED TO REDUCE BEEF supplies and is encouraging. With the continuing slaughter of calves, non-fed steers and heifers will also benefit, but increased cow slaughter is one of the more important marketing stratagems to reduce the reproductive units. The Council indicated that a cow slaughter of 10.4 to 11 million this year could avoid drastic pricing in 1976-77.

ACTIONS TAKEN BY THE BOARD AT THE MID-YEAR MEETING INCLUDED:
1. Guidelines on cow herd size and details of a voluntary program is being developed.
2. Emergency livestock loan program will receive more active attention.
3. Estate tax laws will be studied to attempt equalization of the heavy burden carried by ranchers.
4. Packers feeding cattle will be studied by ANCA and USDA to see the impact on cattle prices.
5. Appeal passage of the new beef grading standards.
6. An ANCA land use planning committee was named to represent the industry on environmental lawmaking.
7. Continue support of the present meat import act.
8. ANCA will monitor tariff and trade negotiations in Geneva.

ANCA IS OUR NATIONAL ASSOCIATION AND REPRESENTS THE INDUSTRY well in Washington and deserves our support. If you are not a member you should be.

TRAVELING WITH THE EXECUTIVE VICE PRESIDENT:
August 16 - Florida Association of County Extension Directors. Congratulations to Jim Pace and Tom Skinner as first recipients of award presented by agents to specialists.
August 16 - Spoke to Sumter County Cattlemen's Association meeting.
August 21 - Jackson County tours and meeting.
August 28 - 29 - Spoke to Southern Section of Society for Range Management.
September 17-18 - Board of Directors meeting, Kissimmee. See you then.

--Jim Luttrell, Executive Vice President--
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### The Cover for September 1975
Field Days have been popular in the livestock industry for many years and Continental breed enthusiasts have been holding such events, also, as shown by the special effects cover picture of this issue taken by a Cattlemen staff during a recent program in Florida.

### O F F I C I A L  P U B L I C A T I O N

Published monthly by Cody Publications, Inc., at 410 West Verona Street, Kissimmee, Florida 32741. Subscription price $5.00 0.02 years. Second class postage paid at Kissimmee, Florida 32741. Aldus M. Cody, Secretary and Chairman of the Board, Raymond C. Cody, President, Ralph Hopkins, Vice President, Dorothy G. Cody, Treasurer, Rude Card mailed on request. Closing date 5th of preceding month. In circulation 25th of preceding month. Member Agricultural Publishers Association, American Agricultural Editor's Association, Florida Magazine Association, Livestock Publications Council, Audit Bureau of Circulation, National Advertising Representatives—Howard Abelson, P.O. Box 4264, Phone: 912-746-4815, Macon, Ga. 31208.

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**FLORIDA’S NUMBER ONE LIQUID FEED PRODUCER FOR OVER:** 25 years

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United States Sugar Corporation

CLEWISTON

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FLORIDA
Editor's Desk

Error on Chaparrosa Ad Made it Misleading

La Pryor, Texas

The Chaparrosa Ranch 4-color ad in the August issue of The Florida Cattlemen was changed somehow from the original copy with the deletion of the "bar" mark under the second "S" extending to confuse the reader. I would appreciate an explanation.

Ed Stanfield

Our production department, not being familiar with Santa Gertrudis classifications, thought the line below the second "S" was something that was there by accident and removed it from the negative. We apologize for any inconvenience caused.

Reader Likes Florida Cattlemen Magazine

Sandy, Utah

Enjoy your fine magazine. I receive many livestock publications and yours is one of the better...

Rulon S. Brown

Micanopy Cattlemen Has Late Arriving Calf

Micanopy

...I had a crossbred cow (Brangus type) have a large (black) calf that we had to take... This calf was dead when pulled in April, 1975 but (the cow's) bag never did go down altogether, and she began to swell in the rear the middle of June and by July 1 had a perfect (black) calf about 60 or 65 pounds.

I talked to some of the old cattlemen about this and they had never heard of anything like it... I thought this may be

Latest Statistics

Commercial Slaughter and Average Weight (USDA)

<table>
<thead>
<tr>
<th></th>
<th>June 1975 (Fla.)</th>
<th>June 1974 (Fla.)</th>
<th>June 1975 (U.S.)</th>
<th>June 1974 (U.S.)</th>
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</thead>
<tbody>
<tr>
<td>M Head</td>
<td>47.5</td>
<td>28.5</td>
<td>3193.1</td>
<td>2865.9</td>
</tr>
<tr>
<td>Wt.</td>
<td>903</td>
<td>961</td>
<td>381.8</td>
<td>1062</td>
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<tr>
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<td>11.3</td>
<td>7.5</td>
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<td>400</td>
<td>341</td>
<td>292</td>
<td>2856.4</td>
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<tr>
<td>M Head</td>
<td>20.9</td>
<td>27.5</td>
<td>2688.4</td>
<td>601.0</td>
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<td>Wt.</td>
<td>195</td>
<td>195</td>
<td>248</td>
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<tr>
<td>M Head</td>
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<td>--</td>
<td>601.0</td>
<td>100</td>
</tr>
<tr>
<td>Wt.</td>
<td>75</td>
<td>--</td>
<td>601.0</td>
<td>100</td>
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Slaughter Under State Inspection, Head (AITC)

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<tr>
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<th>July 1975</th>
<th>July 1974</th>
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<tbody>
<tr>
<td>Cattle</td>
<td>12,350</td>
<td>9,799</td>
</tr>
<tr>
<td>Calves</td>
<td>764</td>
<td>897</td>
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<tr>
<td>Swine</td>
<td>20,077</td>
<td>27,082</td>
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Brucellosis Testing (AITC)

<table>
<thead>
<tr>
<th></th>
<th>Tested</th>
<th>Reactors</th>
<th>Vaccinated</th>
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<tbody>
<tr>
<td>Beef Cattle</td>
<td>29,739</td>
<td>1737</td>
<td>8031</td>
</tr>
<tr>
<td>Dairy Cattle</td>
<td>51,648</td>
<td>462</td>
<td>2161</td>
</tr>
<tr>
<td>Swine</td>
<td>15</td>
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Livestock Prices Per Hundred (USDA)

<table>
<thead>
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<th></th>
<th></th>
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<tbody>
<tr>
<td>Cattle</td>
<td>$26.80</td>
<td>$28.60</td>
<td>$35.30</td>
<td>$36.20</td>
</tr>
<tr>
<td>Cows</td>
<td>$19.60</td>
<td>$21.30</td>
<td>$21.30</td>
<td>$20.60</td>
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<tr>
<td>Sts. Hfrs.</td>
<td>$32.50</td>
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<td>Calves</td>
<td>$25.70</td>
<td>$25.20</td>
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<tr>
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<td>$54.10</td>
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<td>Chickens</td>
<td>$31.00</td>
<td>$27.50</td>
<td>$20.50</td>
<td>$30.30</td>
</tr>
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</table>

Field Crop Prices Per Bushel and Ton (USDA)

<table>
<thead>
<tr>
<th></th>
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</thead>
<tbody>
<tr>
<td>Corn (Bushel)</td>
<td>$2.72</td>
<td>$2.91</td>
</tr>
<tr>
<td>Hay, Baled (Ton)</td>
<td>$51.20</td>
<td>$48.20</td>
</tr>
</tbody>
</table>
Lower cost is no substitute for quality—and PRO-LIX offers the highest quality liquid feed you can buy. Its superior proven performance is proven by major university research programs and is formulated under strict quality control conditions.

The natural protein from fermented fish broth (rich in vitamins and minerals) is balanced with other sources of protein—formulated to do a better job in more feeding conditions. It might be possible to buy a cheaper liquid feed—but in the long run—you can’t beat the quality of Pro-lix.

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616. "Controliner" System
617. MF 345 Plow
618. Griffon Plow
619. TUCO Bolus
620. Fearing Tags
621. Automatic Driver
622. Carnation Directory

Name
Address
City
State
ZIP

The Florida Cattleman / September 1975
CHAROLAIS CROSBRED COWS OUTPERFORM OTHER BREEDS

Compiled from 5,892 births over 7 years of testing under commercial conditions*

<table>
<thead>
<tr>
<th>Charolais cross cows</th>
<th>Calving Ease</th>
<th>Birth Weight</th>
<th>Wng Weight</th>
<th>Post Wng Gain</th>
<th>Yrlg Weight</th>
<th>Slaughter Weight</th>
<th>Ribeye Area</th>
<th>Avg. Fat</th>
<th>Age at Slaughter</th>
<th>Cutability %</th>
<th>Lean/Day of Age</th>
</tr>
</thead>
<tbody>
<tr>
<td>+ .05</td>
<td>98.76</td>
<td>557.6</td>
<td>3.1</td>
<td>983.6</td>
<td>1,110</td>
<td>13.02</td>
<td>.420</td>
<td>425.8</td>
<td>59.1</td>
<td>.94</td>
<td></td>
</tr>
</tbody>
</table>

Traditional breeds, crosses

| - .03                | 94.74        | 502.3        | 3.07       | 906.7        | 1,056.7     | 12.05            | .484        | 432.2   | 58.06           | .86          |

Charolais cows excelled in these important traits

✓ Calving Ease
✓ Birth Weight
✓ Weaning Weight
✓ Post Weaning Gain
✓ Yearling Weight
✓ Slaughter Weight
✓ Ribeye Area
✓ Average Fat
✓ Age of Slaughter
✓ Cutability
✓ Lean/Day of Age

*Canadian Conception to Consumer Program

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USSC President Elected To Council of 100

John B. Boy, president, United States Sugar Corporation, Clewiston, has been elected to the board of directors of the Florida Council of 100. The election took place recently at a council meeting at Marco Island. Boy has been a member of the Council since 1972 and serves actively on the agriculture committee.

The Florida Council of 100, the only body of its kind in the U.S., was formed in 1961 and exists to promote the economic growth of Florida. Its members represent a cross section of business, industrial and educational leadership and are a virtual “Who’s Who” in Florida. The council works in...
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HESSTON PT-7 and PT-10 Direct Feed Windrowers

Direct feed hay flow, full width conditioner, outstanding flotation plus adjustability for the best of any crop in any field condition.

The Hesston PT-7 and PT-10 are pull-type windrowers that offer direct-feed hay flow from the sickle through the conditioner rolls to swaths or windrows. A fluted steel roll and a grooved rubber roll give a gentle, positive cracking action to your crop, resulting in Hesstonized Hay of premium quality.

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Live Oak—Gordon Ford Tractor Co. 904/362-1887
Madison—Gordon Ford Tractor Co. 904/973-2245
Ocala—Ocala Ford Tractor, Inc. 904/732-8585
Gainesville—Hipp Ford Tractor 904/372-3464
Tallahassee—Walker Tractor Co. 904/576-7150
Leesburg—Prescott Tractor Sales 904/787-1234
Jacksonville—Jacksonville Tractor Co. 904/786-0212

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The Florida Cattleman / September 1975
If problems abound in agriculture today, opportunities exist in equal numbers.

$2,400,000 is what you will spend for land, interest, production expenses, equipment and taxes during your farming lifetime if you are the average farmer. Big business, right?

Farmers and their cooperatives, like all big businesses, from time to time need financing for the large amounts of capital needed to run a profitable business.

The 'Farm Credit' folks of the Federal Land Bank Associations, Production Credit Associations and the Bank for Cooperatives are dependable, experienced specialists in providing short, intermediate and long-term financing exclusively for agriculture, at the most reasonable cost possible. You can depend on Farm Credit for every farm, farm family or farmer cooperative need, now and in the future.

Based upon USDA statistical records for class 1, 2 & 3 farms.

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Based upon USDA statistical records for class 1, 2 & 3 farms.

BALE WAGON from Vermeer is completely hydraulic and holds up to five bales each weighing up to 1500 pounds.

close harmony with the Governor and other branches of state government and civic groups.

Vermeer Markets Bale Wagon for Large Bales

Vermeer Manufacturing Company of Pella, Iowa, has recently introduced a new Bale Wagon for the easy transportation of large round bales from the field to any convenient storage place.

The Vermeer Bale Wagon, which is completely hydraulic in operation, holds up to five bales, each weighing up to 1500 pounds. When loading, the operator merely positions the Bale Wagon next to a bale and maneuvers a valve lever on the tractor to lower the pick-up forks. The pick up forks, then, hydraulically slide underneath the bale, pick it up and set it on the wagon. After the forks are slid out from under the bale, the Vermeer Bale Wagon is ready to pick up the next bale. The operator handles the entire job from the tractor seat.

The new Bale Wagon also sets blades down in the exact same position they were before being picked up. This eliminates weather damage caused by setting bales upside down, officials say.

Vermeer also manufactures a complete line of large round balers, bale movers, unrollers, and feeders.

Brandes Named to Post at Chaparrosa

B. K. Johnson, owner of Chaparrosa Ranch, La Pryor, Texas, has announced the appointment of Les E. Brandes as coordinator of purebred operations.

"We are fortunate to have a man of Brandes' recognized talents available to head up our growing Santa Gertrudis purebred operations," Johnson stated. Brandes will be responsible for all programs involving purebred Santa Gertrudis cattle located at Chaparrosa, the Mirasol Ranch at Uvalde and the La Puerta Ranch located at Agua Dulce.

Brandes, a graduate of Texas A&M University, has recently retired from his position as county agent of Jim Wells County. He has held this post for the past 25 years. Brandes is married and has two sons attending Texas A&M University.
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Superior Weaning Weights • Feed Efficiency • Uniformity
• Beefiness • Marketability

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CLEARWATER BROOKING FORD TRACTOR
COCOA FORD TRACTORS OF BREvard
FORT MYERS CREEF FORD TRACTOR
FORT PIERCE BERGGREN EQUIP.
SUNRISE FORD TRACTOR
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LAKE WORTH CASE POWER & EQUIPMENT
PALATKA FLORIDA TRUCK AND TRACTOR
PALMETTO RUSSELL FARM SUPPLY
SANFORD BEHRENS TRACTOR
TALLAHASSEE WHIPPLE TRACTOR
TAMPA FLORIDA-GEORGIA TRACTOR
WINTER HAVEN FIELDS EQUIPMENT
ZOLFO SPRINGS FIELDS EQUIPMENT

Prepare Perfect Pastures

Howard ROTAVATOR is the ideal implement for working your pastures on a low fuel investment. Less thrust on your tractor. A rugged machine in a class of its own. A complete and economical tillage tool designed for continuous hard work... From Howard: number one in rotary tillage.

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813/686-4925 (Lakeland)

Tom Sitten
Polk City, Fla.
813/984-1095

J. Emmett Palmer, Jr.
Lakeland, Fla.
813/686-0309

Charles Palmer
Lakeland, Fla.
813/858-1249

Plant Located on U.S. 98 South of Lakeland

ENVIRONETICS, INC., has developed the “Controliner,” a patented, odorless system of feedlot waste containment.

University. He is a member of the First United Methodist Church having served as chairman of the Administrative Board, the Alice Chamber of Commerce, Texas County Agents’ Association, Jim Wells County Fair Association, Jim Wells Farm Bureau, Coastal Bend Agri-Business Council, and an honorary member of the South Texas Santa Gertrudis Association. In 1958 he received the National County Agents Award for his outstanding accomplishments.

His ability as a livestock judge has been recognized throughout the U.S. as well as internationally. In the past 16 years he has taken judging assignments outside the U.S. through the cooperation of USDA and various breed organizations as well as most major domestic livestock shows.

Brandes and his wife, Doug, will continue to reside in Alice, Texas.

616—Illinois Firm Offers Waste Control System

Environetics, Inc. of Bridgeview, Illinois, has developed the “Controliner,” an inexpensive yet durable, patented, waste handling system that operates odorlessly, without energy input or chemicals, and produces a high nitrogen fertilizer.

Officials of the company say the system can be installed within hours and adapted to any feedlot area without sophisticated equipment or skilled labor.

Prefabricated at the factory of industrial strength, reinforced vinyl material, that meets or exceeds all USDA Soil Conservation Service specifications, the liner is installed in a simple earthen pit. The waste enters the covered system through a permanently attached and sealed inlet pipe, where it is changed, through an anaerobic process, into rich fertilizer. From there it is removed through outlet pipes in the cover of the “Controliner,” to a vacuum wagon, ready to be spread over the fields.

The “Controliner” is available in three standard sizes with holding capacities from 60,000 to 250,000 gallons, for holding periods of up to 120 days. The company also custom fabricates pit liners, pond liners, barn
Calves are Your Living... FEED AND GROW THEM AND GET MORE FOR THEM with an automatic feeder from Williston

Available in 9, 7, and 3 ton models, mounted on I Beams or on Wheels for easy portability.

See us for all your fabrication needs.

Post Office Box 638
Williston, Florida 32696
Telephone (904) 528-5353
Res. (904) 528-4078

WILLISTON WELDING
NOW, MORE THAN EVER

Tramisrol

INJECTABLE

During this period of low cattle prices it is even more important to continue to use the best available management practices. TRAMISOL* Injectable can help.

Worming with TRAMISOL* Injectable is as easy as pulling the trigger—and just about as fast. And, it is compatible with all other management practices.

For example, you can worm with TRAMISOL* Injectable at the same time you vaccinate, dehorn, and treat for grubs or lice.

JUST PULL THE TRIGGER
and the job is done

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 filled.
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

The Florida Cattleman / September 1975
Feedlot cattle are now wormed routinely. Should cow herds get the same treatment?

Feedlot operators have now made worming a standard practice in their operations. They are aware that treated animals return greater profits from increased gains and improved feed efficiency.

Should the same practice be applied in your cow-calf operation?

Naturally the advantages of better gains and improved feed efficiencies are very important to your young, growing calves. But in your cow herd itself, you may be more concerned with such things as breeding condition, conception rate, calf size at birth, milk flow, and overall herd health. These are the general, controllable conditions that most affect the profitability of your cow herd. And these conditions can be greatly affected by worm infections in your cattle.

You must assume that worms are present; with few exceptions, all cattle on range or pasture grass are worm infected. You must assume also that they are causing internal damage, in a number of ways.

Stomach and intestinal worms steal blood and nutrients, injure linings of the stomach and intestines, and disrupt the normal digestive processes. Affected animals don’t do well, may lose condition, and often fall prey to secondary ailments. Lungworms block air passages, damage tissues, may open the way for pneumonia and other respiratory infections.

Worms of any type will hinder performance in some manner. It makes sense that if you will routinely worm cows and calves with a good worming product, you will eliminate a major hindrance to profitability.

TRAMISOL® levamisole is the most effective wormer now available for any cattle. It controls the 9 major stomach worms, intestinal worms, and lungworms that cause most damage in cattle.

No dosage guesswork. One treatment level of TRAMISOL, based on body weight, controls all worms and all degrees of infection in all cattle.

TRAMISOL works with all cattle, including brood cows and young calves. It doesn’t set cattle back, doesn’t throw them off feed when used as directed.

TRAMISOL is now available in a convenient injectable form; you inject only 2 cc. of TRAMISOL Injectable Solution per 100 lb. body weight. TRAMISOL is also available in feed (pellets), OBLETs®, or soluble drench powder forms.

Please read label instructions carefully and use only as directed.

American Cyanamid Company, Princeton, NJ 08540
Profit Minded Cattlemen Feed Their Cattle

“Ole Aggie”

AGRI-GUARD’S

High Protein Liquid Feed Supplement

Rich in Protein, Vitamins, Minerals and other Nutrients

- Your most economical Supplement
- Made and stored to save you money
- Save $30-40 per ton over other liquid feeds
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We Fill the Feeders The Cows Feed Themselves

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P.O. Box 923
Ph. 813/688-3325
Lakeland, Fla.

Warning Given On Home Gardening Danger

A medical consultant for Combined Insurance Company of America’s Claims Department, Chicago, Illinois, says gardening may not be all “hoe, hoe, hoe” if you’re not careful. Home gardeners are cautioned to beware when taking up arms with rake and hoe in preparation for their offensive against inflation at the dinner table.

Dr. David Goldfinger warns that, “people who work in gardens, and particularly those using animal fertilizers, should be inoculated against tetanus for their own protection. The tetanus spore is found mainly in soil and is attracted to cuts and abrasions.”

Combined’s safety and research team also cautions gardeners to wear gloves for some protection against infections or skin rashes which can also be contracted while working in the soil.

Goldfinger warns that if you end up with a green thumb, you might have to see your doctor.

Butler Offers 60 Foot Wide Building

A 60 foot wide Farmsted building, with 16 foot eave height and a giant 30 foot x 15 foot 3 inch double slide door, has been introduced by the Agri-Products Division of Butler Manufacturing Company, Kansas City, Missouri.
Cattle prices low! Feed prices too high!

Florida Cattlemen:

buy DIRECT from Super-Mol, manufacturer of quality products produced in Florida, and save $$$ on your feeding cost.

BLOCKS
MINERAL & VITAMIN SUPPLEMENTS
DRY MOLASSES

We also offer a custom formulation service on quantity orders.

Write or Call:

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FUTCHE COW-PEN SPECIAL
Grown, Produced and Treated in Florida To Better Suit Your Conditions

Our Cow-Pen lumber is selected from Central Florida Top Quality Pine Logs and is Pressure Treated with a 10-year rated preserver, Special Osmos "K-33", for your complete protection against rot and decay.

- 1" x 6" 8' thru 16' For Fencing & Gates
- 5" x 5" 9' thru 16' For Posts
- 6" x 6" 20' For Barn Posts

Any size or length available here at our mill

Nails—common hot dip galvanized. Hinges—Strap, 6' thru 12". Screw hook and strap, extra heavy duty, 8' thru 14", and a good stock of ranch type hardware. Immediate Delivery By Our Trucks.

FUTCHE MILLING CO., INC.
Alvin C. Futch, owner
Ph: AC 813, Plant City 752-3181; Tampa 229-7269
OPEN: MONDAY-FRIDAY 8:00 a.m.-5:00 p.m.
(Mill located 2 miles E. of Plant City on Charlie Taylor Rd.)

BUTLER Manufacturing Company has introduced a 60 foot wide Farmsted building with 16 foot eave height.

The all-metal Farmsted also is available in four other widths, two additional heights, and lengths almost unlimited in 25 foot bay increments.

According to the manufacturer, the 60 foot wide Farmsted is adaptable to a wide variety of farm and ranch uses, and the huge doorway will accommodate almost any piece of farming equipment on the market today.

618—Firm Has Flyer On Protective Cover

A new flyer describes farm applications for Griffolyn®, a lightweight, reinforced plastic used for covers and shelters to protect livestock, crops, or equipment.

Long-lasting Griffolyn is water-proof, mildew-proof and air-tight. Polyester reinforced Tarpaulin gives it high tear and shock resistance. Handy removable "Griff-Clips" help fasten Griffolyn in place to make temporary or permanent shelters.

Griffolyn is easy to handle and install. It is available in several colors, sizes, and weights.

For more information check number 618 and return the form on page 8.

619—Bacterial Infection Bolus Introduced by TUCO

Neomix Bolus 500 mg. has been introduced by TUCO, Division of The Upjohn Company, for post-calving treatment and control of bacterial infections of the genital tract in cows.

Designed for intra-uterine use, Neomix Bolus provides stable antibiotic activity to combat the principal problem organisms associated with post-calving bacterial infections of the uterus. Neomix Bolus is very stable, remaining active in the presence of body fluids, bacteria, and bacterial growth products.

Available from farm supply stores, Neomix Bolus is being added to the broad line of other Neomix products supplied by TUCO.

For further information check number 619 and return the form on page 8 of this issue.

620—Fearing Launches Ear Tag Promotion

The world's largest manufacturer of
FROM

11% to 100%

(whatever you need)

See your local V.M.S. dealer or contact V.M.S., Inc. for more information. P.O. Box 406 - Montgomery, Ala. 36101 (205)834-6510
New TBZ™ 6
Ready-mixed and
Ready to go

TBZ 6 (thiabendazole) is an all-new, preformed suspension of the cattle wormer that worms for profit. It's ready to work, straight from the unbreakable gallon jug.

Here's what it gives you:

New Convenience: No measuring. No mixing. No need to stir. Shake once, fill your syringe and dose.

New ease of flowing: TBZ 6 is thick, yet smooth-flowing. It syringes easily and it won't run out of your drenching gun.

It's TBZ, the cattle wormer that gives you... Unbeatable control of all four profit-robbing roundworms.

No Setbacks: Widest margin of safety in cattle wormers. No tremors. No muzzle foam. You can worm even pregnant cows, right up to calving.

New TBZ 6 Suspension makes drenching easier, faster, more convenient. And it doesn't cost a penny more, and you save the unused material for later use.

TBZ (thiabendazole) is a registered trademark of Merck & Co., Inc.

M and M SUPPLY COMPANY
of FLORIDA INC.

Fla. Hwy. 579 and Main
St. Thonotosassa, Fla.
Phone 813/986-2491
15th St., Okeechobee
Phone 813/763-4235

Fearing Manufacturing Company has announced a nationwide promotion of its “Tagalong” ear-tagging kit.

Flexible ear tags announce a new nationwide promotion centered around a specially-designed ear-tagging kit called the “Tagalong”.

Fearing Manufacturing Company, based in South St. Paul, Minnesota, is offering the Tagalong free with a $250 purchase of Fearing products, or at greatly reduced prices depending on amount less than $250. The rugged rainproof plastic case has a retail value of more than $10.00.

Specially formed trays hold as many as 150 large Tuff-Flex tags, Fearing Saf-T-Tagger, markers, record book and other items needed to accurately and quickly tag and record cattle, sheep or hogs. A useful feature of the Fearing Tagalong is the breeding charts permanently bonded inside the lid of each kit. These charts give you breeding and conception dates for every day of the year on cattle, sheep and hogs. Charts are especially useful for A.I. or hand-mating.

Here’s how the Tagalong promotion will work:

Tags must be purchased through an authorized participating Fearing dealer. If customer purchases $250 or more worth of Fearing products, he receives a certified purchase certificate which he completes and mails to Fearing. Fearing will then ship the Tagalong kit directly to the customer.

For customers who purchase less than $250 worth of tags, the Fearing Tagalong kit is available at greatly reduced prices. For example, with $125 purchase the kit is available for $6.50.

The Tagalong is made of special heat and cold-resistant plastic that will not rust, break, leak or corrode from chemical contact. The Tagalong has rounded corners so it will not open accidentally.

For more information on the Tagalong promotion check number 620 and return the form on page 8.

621—Construction Plans Ready For Automatic Truck Driver

Construction plans are now available for the Automatic Truck Driver, a simple mechanical device that turns a farm truck into a silage wagon that can be...
because it won't set cattle back.

Look for TBZ®, the cattle wormer that's rough on worms but easy on cattle, in this colorful floor display.

TBZ Cattle Wormer Paste and MEDIGUN® make cattle worming sure and simple! TBZ in any form—bolus, drench, feed—is the no-setback wormer that puts you ahead.

Animal Health & Feed Products, Merck Chemical Division, Rahway, New Jersey 07065.

Buy TBZ, the "no-setback" wormer—in any form—and you can buy this great merchandise at about half price! See your dealer for details!

THERMOSERV BEVERAGE SERVER & 8 MUGS—$24.95 VALUE. ONLY $12.50 with proof of TBZ purchase.

A TWO-TON MAASDAM POW'R PULL WINCH/ HOIST—$46.59 VALUE. ONLY $22.00 with proof of TBZ purchase.

THERMOSERV BICENTENNIAL ICE BUCKET & 8 TUMBLERS—$27.95 VALUE. ONLY $13.95 with proof of TBZ purchase.

8 THERMOSERV 16-OZ. STEINS—$23.90 VALUE. ONLY $12.50 with proof of TBZ purchase.

Send in one label or any portion of a label containing the words TBZ, THIBENZOLE, or "feed containing TBZ" or "THIBENZOLE." Please send in one label for each merchandise purchase. Offer expires Dec. 31, 1975; void where prohibited by law. Good only in U.S.A. TBZ (thiabendazole), THIBENZOLE (thiabendazole), and MEDIGUN are registered trademarks of Merck & Co., Inc.
The “TROJAN” Hydraulic Chute

SAVE TIME AND MONEY

CAN SIMPLIFY ANY LIVESTOCK HANDLING OPERATION

Satisfaction With Every Transaction

SPECIFICATIONS:

Overall Height—7'6”
Overall Length—8’
Overall Width—5’

Weight 2000 lbs.
Power by 220 Volt Single phase motor

Chute adjustable for small or large cattle

Manufactured and Distributed By
TROJAN
Livestock Equipment Inc.
Box 453 Weatherford, Oklahoma 73096
Phone: 405/772-2146

Planning A Sale?

The best way to cover Florida’s Cattle Industry is in The Florida Cattleman. If you’re planning a sale, list your sale date in our calendar well in advance, and plan your advertising program. Let us know and we’ll help.

The Florida CATTLEMAN
P.O. Box 1030
Kissimmee, Florida 32741
Phone 305/846-2800

A DEVICE that turns a farm truck into a silage wagon is called the Automatic Truck Driver and can be constructed in most farm shops.

The patented, from-the-rear, towing-steering device can be constructed in most farm shops, or with the help of a local blacksmith for about $150 according to the Automatic Truck Driver inventor Ralph Stubbendick of Avoca, Nebraska.

The automatic steering unit is permanently attached to the farm truck. The truck is operated in a normal manner while the unit is attached.

For use in the field, the truck is backed into position behind the chopper, connected with a towbar, put into neutral, and towed as a wagon.

Chopping on terraced or hilly ground is not a problem since the mechanism automatically steers the truck, causing it to follow the chopper’s path.

When the truck has been blown full of chop, it is simply unhooked, and driven to the silo, according to the inventor.

Stubbendick, who has been using his own invention on his farm for the past six years, says the Automatic Truck Driver will:

Replace grain and chopper wagons;
Replace two men in chopping operations; Work well on terraces, and will make a self-propelled wagon out of a farm truck.

Stubbendick will supply detailed, clear, concise construction plans for the Automatic Truck Driver for $20 per set.

For more information check number 621 and return the form on page 8.

622—Carnation Offers Directory Of Beef Sires

A newly published 16-page sire directory covering five of the exotic beef breeds has been published by Carnation/Genetics, reports John W. McKitrick, director of marketing for the international artificial breeding company.

The breeds represented in the directory are among the biggest in the world. They include Chianina, Blond D’Aquitaire, Charolais, Maine Anjou and Limousin.

“We’re proud of the 23 bulls in this ‘Bulls For Better American Beef’ sire...
Chaparrosa Cowman's Choice Production Sale

Offering

350 Head

100 Santa Gertrudis bulls bred on Chaparrosa and Mirasol Ranches. All fertility tested and serviceable age. As a cattlemans you know that the heavier calves are selling at a premium. These big, red bulls are the kind that will sire those heavy weaning calves and do so under the most adverse range and climatic conditions. We invite you to be with us on November 24 and appraise this offering for yourself.

100 Certified S and S Santa Gertrudis heifers checked safe in calf to S bulls. A good place to start a new herd or add new bloodlines to an existing one. Will sell individually and in groups.

150 Commercial cows. These three-year-old crossbred cows calved as two's and are bred back for their second calf. A rare opportunity to purchase replacement quality females with their productive life ahead of them. Will sell in groups.

HE SELLS.

THEY SELL.

DATE: November 24, 1975.
PLACE: Chaparrosa Ranch, 8 miles west of La Pryor, Texas on Hwy. 57.
TIME: Lunch 11:30 • Sale 12:30

Look for our cattle at these excellent Santa Gertrudis sales:
Sept. 26 — South Texas Santa Gertrudis Association sale, Alice, Texas.
Oct. 6 — Premier Santa Gertrudis Association sale, Dallas, Texas.

AUCTIONEERS: Walter Britten
Bert Reyes
Ruben Reyes

For Information: Write Chaparrosa Ranch, P. O. Box 187, La Pryor, Texas or phone 512/365-4422.

J^3 CHAPARROSA RANCH P.O. Box 187 La Pryor, Tex. 78872
FLORIDA CORN FOR YOUR CATTLE

Save on those freight costs and order Florida-grown corn. We have top quality ground snapped corn and ground yellow corn meal available in bags or bulk, and a good supply of bulk shelled corn. Delivered direct to your ranch in trailer loads lots. Check our prices before you buy.

Dryn Feed Mills
Wayne Day, Manager
U.S. Highway 90, Greenville, Florida
Telephone 904/948-2561 or 904/948-3611, nights

Powder River Cattle Handling Equipment
Animal Health Needs
Western Wear and Saddlery
Formax® Feeds

GAINESVILLE STOCKMAN SUPPLY COMPANY, INC.
Located at Gainesville Livestock Market
Telephone 904/372-8916
5001 NW 13th St., Gainesville, Florida 32601

BURET, a Maine-Anjou bull is one of the 23 exotic sires presented in the sire directory published by Carnation/Genetics.

directory,” remarked McKittrick. “They are among the top of their breeds. They excel in growth rate and have the proven ability to transmit this trait.”

Information presented in the directory on the bulls includes growth rate, ease of calving and carcass evaluation. Also, some of the sires have been evaluated on the “physical traits” of “Frame”, “Muscling”, “Trimmness”, “Structure” and “Sex Character”.

For a copy of the directory check number 622 and return the form on page 8 of this issue.

Moorman Funds College Scholarship Program

The Moorman agriculture college scholarship program has just received new funding for the 1975-76 school year. Starting in 1960 with five land grant schools, the program now involves 25. These are spread throughout the midwest, southwest and southern states. Specific schools involved are: University of Florida; Auburn University; Colorado State; Iowa State; Kansas State; Lincoln University; Louisiana State; Michigan State; Mississippi State; Montana State; North Carolina State; Oklahoma State; Purdue; South Dakota State; Southern Illinois University; Texas A&M; Ohio State; University of Georgia; University of Nebraska; University of Tennessee; University of Wisconsin; University of Illinois; University of Kentucky; University of Minnesota and University of Missouri.

Fretz Heads Angus Publishing Firm

The Hahne family recently announced the sale of controlling interest in the Aberdeen-Angus Journal Publishing Company, Inc. to Murray G. Fretz, former general manager. Fretz took over as president and publisher July 1.

The late Fred Hahne, who established the Hahne Printing Company in 1902, founded the Angus Journal in 1919. This sale of stock marks the first time in the company’s 56 years of continuous operation that stock has been sold outside the family.

R. H. Hahne, Sr., who remains on
AUSTIN FLUID FERTILIZER

SUSPENSIONS give you the BEST OF BOTH

Grades
In Demand*
20-5-10
20-0-10
16-4-8
16-0-8
15-5-15
10-5-20
10-5-10
3-9-30

*Available with soluble Sulphur

Or Your Own
Mixture

Also
LIQUID
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Austin Fertilizer
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Largest Liquid Fertilizer Custom Applicator in the Southeast

Plant and Offices at Sanford, Florida. Phone 305/322-0443.
Arcadia: Dick Harvin 813/494-0306.
Lake Placid Plant: 813/465-5203.
We've built a rugged case for a record-making job.

FREE

This valuable tag and record case is yours FREE when you buy $250 worth of any great Fearing products (reduced prices for case when order is less than $250). We call it the "Tagalong". It's designed so you can easily organize your tags, carry your records, and handle animal health supplies anytime wherever needed.

Inside the lid are three new easy-to-use breeding charts for cattle, sheep, and hogs.

See your nearest participating dealer, or write today for details.

Fearing Manufacturing Company, Inc.
490 Villaume Ave., So. St. Paul, MN 55075

Cypress Lumber
"The Wood Eternal"
Rough Sawn Square Posts
Slats Round Posts
Mulch Pecky Cypress

Standard or Special Cuts
PRESSURE TREATING AVAILABLE

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No matter how large or small the job!
Hydraulic Chute — Working Circle

- Built-in relief valve for pressure control stop, set from 200-300 lbs. as needed.
- Safety feature — anyone can operate it without danger to operator or others working around it.
- Power source — 220 current, 3 horse electric motor. Also, easily operated from tractor hydraulic system for portability from cowpen to cowpen.
- All metal pre-fab working circle and crowding door, constructed within working pens (optional).

"Always Rooting for Business"
CALL ANYTIME AND LEAVE YOUR NUMBER FOR CALL BACK

Rhulen Agency Opens Miami Branch Under Lann

Martin J. Lann has been appointed branch manager of the Miami office of the Rhulen Agency, Inc., according to Walter Rhulen, president of the insurance firm. The appointment, which was effective May 26, coincided with the opening of the company's new office in Miami. The main office of the 40 year old insurance firm is in Monticello, New York.

Formerly president of Surety Bond Associates, Miami, and previously associated with the Titan Agency, Miami, and Thoroughbred Services, New York City, Lann has been active in the specialty insurance field for the past five years. A graduate of the University of Miami where he earned an Accounting Degree, Lann is also a graduate of the College of Insurance, N.Y. He is 36 years old, married and has two children.

The Rhulen Agency's new branch in Miami, located at 9445 Bird Avenue, is prepared to provide general insurance as well as insurance specialties coverage for show, race and pleasure horses; cattle; exotic animals; children's camps; hotels and motels.

SuCrest Announces Staff Appointment

J. Eugene Salomon, vice president, SuCrest Corporation, New York, and president of its XtraVim Division, has announced the appointment of Dr. Dana J. Wolf as director of nutrition and research for the XtraVim Division.

Wolf is currently serving in the same capacity for Vit-A-Way, Inc., Fort Worth, Texas, part of the XtraVim Division of SuCrest Corporation. He will assume his dual duties immediately and continue to be headquartered in Fort Worth.

Wolf received his B.S. degree in animal husbandry with class honors from California State Polytechnic College, San Luis Obispo, California, in 1964. In 1967, he received his M.S. degree in animal nutrition and his Ph.D. in animal nutrition was earned in 1970, both from Iowa State University in Ames, Iowa, where he specialized in beef cattle studies.


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All the benefits of two great feeds are now available in one great feed ...from The Cattleman’s Company.

Whether you’re a cow-calf or feedlot operator (or both), in times like these you’re always looking for new ways to beat the cost-price squeeze, and even harder for new ways to improve margins and maximize income. That means getting the most from every animal you sell. And now, more than ever, that means feeding Purina Preconditioning/Receiving Chow on the ranch or in the feedlot.

Until now, Purina has offered two brands of pelleted Chows with Aureo S-700— one to help control and overcome losses caused by the shock and stress of weaning; and one to help control and overcome losses caused by the shock and stress of mismanagement, shipping and “ping-pong” marketing. Now, “The Cattleman’s Company” has combined both Chows into a single, more convenient, highly palatable ration that provides the broadest possible range of special nutrition and health protection needed by freshly weaned calves or just-off-the-truck calves and yearlings.

So, if you’re looking for new ways to help improve margins and maximize income from every animal you sell, now is the time to let gain-building, disease-fighting Purina Preconditioning/Receiving Chow go to work for you. More than 5 million calves and yearlings have proven the versatility and dollar power of its double-duty nutritional and health protection benefits.

* Aureomycin Aureo S-700 is a registered trademark of American Cyanamid Company.

Purina Preconditioning/Receiving Chow®

The best there is for calves... coming or going.
1939: Tampa Show Paid Only Premiums

Exhibitors at the livestock show of the Florida State Fair were paid premiums only rather than mileage guarantees with all entries placed on a strictly competitive basis. The State Farmers Market at Ocala featured a show and sale of purebred polled Hereford and Aberdeen-Angus cattle. Editorial comment referred to the pasture tour organized by Louis Alsmeyer, county agent of Highlands County.

1949: Charleston Site of Brahman Meeting

Milton R. Thomas, Sarasota, Florida Brahman breeder, was chairman of the American Brahman Congress at Charleston, South Carolina. Plans for a $130,000 project to develop a Union Stockyards for Tampa were under discussion. B.J. Alderman, Grandin, was elected president of the Putnam County Livestock Association. Hernando County cattlemen were given a pasture tour which included a visit to the Chinsegut Hill Experiment Station.

1959: Cattlemen's Institute Drew Over 200

Attendance exceeded 200 cattlemen at the Cattlemen's Institute held at 4-H Camp Cloverleaf near Lake Placid. The Florida Cattlemen's Association asked Senator Spessard L. Holland for help in reinstating federal funds to pay veterinarians for administering Bang's vaccine furnished by the Florida Livestock Board. Arthur P. Spencer, former director of the University of Florida, Extension Service, died at the age of 82. Approximately 75 bulls were expected to sell in the Florida Hereford Association's annual sale.

1969: Feeder Sales Had Top of $37

Florida's schedule of feeder calf sales averaged strong with the top being $37.55 at the Glades Livestock Market board sale. William G. Kilbee, Geneva cattleman died at the age of 71 from injuries sustained in an auto accident. Beef boycotts were started in St. Lucie and Brevard counties. Adams Ranch at Fort Pierce started a Braford registry association.

**FIRST COW CREW** at Lykes Bros. Brighton Ranch in 1938 were from left: True Story (deceased); Tave Waldron; Hub Boney; Eddie Sapp and Nigro George. The photo was sent in by Mrs. Tave Waldron of Okeechobee. The Cattleman needs old pictures for this space and will pay $2 for each one submitted and will return the photo undamaged after use.
We Can Do More For You

Serving You From

ORLANDO

For Over

45 YEARS

Modern Diesel Combines

QUALITY-PRICE-SERVICE-FOR YOU FROM EITHER LOCATION

We Have Added

A NEW-MODERN

Harvesting Division at

ARCADIA

The NEW automated, portable Butler KAN-SUN BATCH DRYER offers you a lower cost way to make more corn and soybeans profit. Even though it costs less, the Kan-Sun Batch is a first class drying machine, proved in use on the farm.

It is automated for ease of operation and better, safer conditioning of grain and soybeans. It’s portable, move it to the grain, or the storage. The Kan-Sun Batch can remove 10 points of moisture from 90 bushels of corn an hour. In a 24 hour drying day, the total dried and cooled will be 2,100 bushels. This means profit for you.

SEED:
All varieties selected to give best results for Florida conditions. Permanent pasture grasses, forage and grain sorghums, millets, peas, clovers, hay crops, soil builders, game bird mixes.

BUILDINGS:
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Bahia, Paraguayan Gulf Ryegrass Gator Seed Rye Millet, Dove Proso H-D Game Bird Mix
Bahia, Pensacola Tetraploid Ryegrass S-1 White Clover Millet, Japanese Turf Grasses
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813/494-3318, Day or night
Table 3.—Estimated feeding costs of a 400 steer growing and fattening operation on 200 acres of acid-muck soil in Lake County, Florida, 1975-76.

<table>
<thead>
<tr>
<th>Item</th>
<th>Description</th>
<th>Unit</th>
<th>Amount</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cash expense</td>
<td>60 day feeding period before pasture</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>140 days winter pasture</td>
<td>Citrus pulp a</td>
<td>tons</td>
<td>154</td>
<td>9,702.00</td>
</tr>
<tr>
<td></td>
<td>Rye seed</td>
<td>cwt.</td>
<td>200</td>
<td>1,600.00</td>
</tr>
<tr>
<td></td>
<td>Rye grass</td>
<td>cwt.</td>
<td>40</td>
<td>1,400.00</td>
</tr>
<tr>
<td></td>
<td>White clover</td>
<td>cwt.</td>
<td>4</td>
<td>800.00</td>
</tr>
<tr>
<td></td>
<td>Hubam</td>
<td>cwt.</td>
<td>20</td>
<td>1,200.00</td>
</tr>
<tr>
<td></td>
<td>Red</td>
<td>cwt.</td>
<td>20</td>
<td>1,200.00</td>
</tr>
<tr>
<td></td>
<td>Fertilizer</td>
<td>tons</td>
<td>50</td>
<td>6,004.00</td>
</tr>
<tr>
<td></td>
<td>Fertilizer</td>
<td>tons</td>
<td>30</td>
<td>2,993.10</td>
</tr>
<tr>
<td></td>
<td>Dolomite</td>
<td>tons</td>
<td>600</td>
<td>7,200.00</td>
</tr>
<tr>
<td></td>
<td>Ditching</td>
<td></td>
<td></td>
<td>1,516.00</td>
</tr>
<tr>
<td></td>
<td>Fencing</td>
<td></td>
<td></td>
<td>758.00</td>
</tr>
<tr>
<td></td>
<td>Land clearing</td>
<td></td>
<td></td>
<td>4,828.85</td>
</tr>
<tr>
<td></td>
<td>Other costs</td>
<td>from Table 1</td>
<td></td>
<td>75,306.45</td>
</tr>
<tr>
<td>Total</td>
<td></td>
<td></td>
<td></td>
<td>8,758.00</td>
</tr>
</tbody>
</table>

a If steers are assumed to gain 1.75#/da. instead of 2#/da., citrus pulp use would be 149 tons and 236 tons for the 140 and 150 day periods respectively.

Interested in Feeding Your Own Calves?

by C.L. ANDERSON & R. MURARO

EDITOR’S NOTE—C. L. Anderson is an associate professor of food and resource economics and farm management extension economist stationed at the Agricultural Research and Education Center, Lake Alfred. R. P. Muraro is an associate professor of food and resource economics and farm management extension economist stationed at the Agriculture and Education Center, Lake Alfred. R. P. Muraro is a farm management extension agent stationed in Polk County.

Introduction

There have been several ranchers in the state interested in either feeding their own calves on pasture or purchasing light steers in the fall. In either case, these calves would be pasture fed on temporary pastures until early fall the following year.

This paper is an attempt to look at the consequences of such an endeavor on acid-muck soil in Lake County. An individual trying this under different conditions would necessarily have different costs and returns, however, the method used here should be helpful in making similar decisions.

Assumptions

It is assumed in this example that there is a 200 acre area of muck which can be cleared, fenced, and a water control system developed. The 200 acres would be divided into four 50-acre pastures. It is further assumed that this pasture, when developed, will carry two head per acre and that an average daily gain per steer of two pounds per day be achieved.

The winter pastures will be planted in October and first grazed on December 15. Grazing will continue for 40 days and the summer pasture would be planted in each 50 acre pasture as the steers are moved from pasture to pasture on their last rotation on the previous crop. Steers will be grazed 150 days on summer pasture.

Capital Outlay

Table 1 shows the estimated capital expenditures necessary to develop 200 acres of acid-muck in Lake County. These costs will vary in different locations and persons using this analysis should develop costs for the particular area in question.

The estimated fixed and annual operating cost of the items in Table 1 are shown in Table 2.

Costs and Returns

Table 3 shows total costs of the feeding program expected in buying steer calves in October and selling the following September.

Table 2.—Estimated fixed and annual operating costs of development items for 200 acres of acid-muck soil in Lake County, Florida, 1975.

<table>
<thead>
<tr>
<th>Item</th>
<th>New cost</th>
<th>Expected life</th>
<th>Deprec.</th>
<th>Int. on invest.</th>
<th>Total annual fixed cost</th>
<th>Annual repair cost</th>
<th>Fuel</th>
<th>Total annual oper. cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Land clearing</td>
<td>$25,000.00</td>
<td>--</td>
<td>--</td>
<td>$2,250.00</td>
<td>$2,250.00</td>
<td>--</td>
<td>--</td>
<td>$131.62</td>
</tr>
<tr>
<td>Fencing</td>
<td>2,632.20</td>
<td>10</td>
<td>$263.20</td>
<td>118.45</td>
<td>381.68</td>
<td>$131.62</td>
<td>142.75</td>
<td>645.72</td>
</tr>
<tr>
<td>Ditching</td>
<td>4,307.45</td>
<td>10</td>
<td>430.74</td>
<td>193.84</td>
<td>624.58</td>
<td>142.75</td>
<td>--</td>
<td>487.33</td>
</tr>
<tr>
<td>Pump and motor</td>
<td>4,500.00</td>
<td>10</td>
<td>450.00</td>
<td>202.50</td>
<td>652.50</td>
<td>315.00</td>
<td>330.72</td>
<td>920.09</td>
</tr>
<tr>
<td>Total</td>
<td>$3,908.76</td>
<td>10</td>
<td>1,500.00</td>
<td>652.50</td>
<td>$3,908.76</td>
<td>$530.00</td>
<td>330.72</td>
<td>$920.09</td>
</tr>
</tbody>
</table>

The Florida Cattlemen / September 1975
Summer Special Sale
Pressure Creosoted Fence Post

<table>
<thead>
<tr>
<th>Length</th>
<th>Tip Diameter</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>6½ ft.</td>
<td>2-2½ inch</td>
<td>54¢</td>
</tr>
<tr>
<td>6½ ft.</td>
<td>2½-3 inch</td>
<td>69¢</td>
</tr>
<tr>
<td>6½ ft.</td>
<td>4-5 inch</td>
<td>$1.39</td>
</tr>
<tr>
<td>7 ft.</td>
<td>2½-3 inch</td>
<td>79¢</td>
</tr>
</tbody>
</table>

Pressure Creosoted Lumber

16 ft. 1x6 inch ➔ $300 per board thousand

Foreign Barb Wire

<table>
<thead>
<tr>
<th>Type</th>
<th>Price per roll</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gaucho Barb Wire</td>
<td>$21</td>
</tr>
<tr>
<td>Heavy Barb Wire 12½ Gauge</td>
<td>$24</td>
</tr>
</tbody>
</table>

American Made Wire

<table>
<thead>
<tr>
<th>Type</th>
<th>Price per roll</th>
</tr>
</thead>
<tbody>
<tr>
<td>47-inch Field Fence</td>
<td>$53.95</td>
</tr>
<tr>
<td>39-inch Field Fence</td>
<td>$49.95</td>
</tr>
<tr>
<td>50 Pound Box Staples</td>
<td>$19</td>
</tr>
<tr>
<td>Fence Stays, 1 piece 9½ gauge</td>
<td>$26 per bundle (100 per bundle)</td>
</tr>
<tr>
<td>42 inches long</td>
<td></td>
</tr>
</tbody>
</table>

Now is the time to Buy!

If you are going to need any of these products in the near future, we urge and hope you will take advantage of this special summer sale and these reduced prices. This will be our last special sale for 1975. Economic pressures point to a price increase in October, 1975.

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ONA, FLORIDA 33865
If a rancher has the same type animals available, his cost of using them should be the same although he may have spent more on raising them than he can buy steers for this fall. If his calves are heavier and carrying a lot of finish, he should probably sell his and buy the lighter animals.

**Break-Even Price**

The break-even price necessary for the above operation can be calculated at varying steer prices. Any return over the calculated break-even price would be a return to labor management and risk. These inputs would have to be computed before the operation would show a profit.

<table>
<thead>
<tr>
<th>Item</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Land clearing (owner's estimate) @ $125.00</td>
<td>$25,000.00</td>
</tr>
<tr>
<td>Fencing, 3.61 miles</td>
<td>570.00</td>
</tr>
<tr>
<td>15 rolls of barb-wire @ $38.00</td>
<td>1,652.30</td>
</tr>
<tr>
<td>1271 posts @ $1.30</td>
<td>360.00</td>
</tr>
<tr>
<td>3 men for 4 days @ $3.00/hr. ea.</td>
<td>0.00</td>
</tr>
<tr>
<td>Misc. (staples, corner posts, etc.)</td>
<td></td>
</tr>
<tr>
<td>Total</td>
<td>2,696.75</td>
</tr>
<tr>
<td>Ditching</td>
<td>1,610.70</td>
</tr>
<tr>
<td>82 miles, 4' ditch, 7,705 cubic yds. @ $0.35</td>
<td>4,500.00</td>
</tr>
<tr>
<td>15.34 miles of V-ditches @ $105/mile</td>
<td></td>
</tr>
<tr>
<td>Pump, drainage 20'* pump and engine</td>
<td></td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>$36,439.75</strong></td>
</tr>
</tbody>
</table>

Besides these assumptions, the risk of crop failure has not been considered. There has been no attempt made here to determine the cost of grain and roughage necessary to fatten these animals in the event of a crop failure.

Today's volatile cattle markets contribute to price risk, which even though considered, was not assigned a cost. As prices rise, a smaller spread between purchase price of steers and sale price of finished steers is required in order to show a positive return. However, feed prices could rise enough to offset this trend. Any cattlemaster who is contemplating a venture such as this, might also want to study the future's market and possibly hedge his investment.

**Field Day Set**

The Florida Simmental Association is planning a field day on September 13, at James Harper's Simmental Enterprises on Southwest College Road, Ocala. The association says plans call for exhibits of Simmental cattle from several different herds in the state and possibly some from out of state.

The field day will feature a judging contest for 4-H and FFA members with the top prize for the contest winner being a Simmental calf donated by Miller Crest Farms, Bronson.

---

**FCA Directors Meeting Slated**

The quarterly meeting of FCA's board of directors will be held in Kissimmee September 17-18, according to word from Jim Luttrell, Lakeland, executive vice president. Headquarters motel will be the Holiday Inn East on Highway 192.

The two-day session will lead off with a meeting of the Animal Industry Technical Council at 9:30 a.m. September 17 at the Holiday Inn. The executive committee of FCA will meet at 2:00 p.m. in the headquarters motel.

The evening will be informal with "Dutch Treat" being observed for those attending.

FCA President Gilbert Tucker, Cocoa, will call an assembly at 9:30 a.m. September 18 at the Holiday Inn which will be followed by committee meetings at various locations to be announced.

A "Dutch Treat" luncheon is planned at the Osceola Agricultural Center at noon and the board of directors will convene at 2:00 p.m. Luttrell said adjournment is expected before 5:00 p.m.

Members of the Florida CowBelles board and committee members will also meet during the session.
Rarely has there been a time when growing and finishing cattle on grass was a more attractive investment. High cost of grains and oil meals trims profit potential. Grass, USS Verta-Gain liquid feed supplement, and minerals can team up for the lowest possible cost of gain.

USS Verta-Gain liquid feed supplement is a premium product that provides the essential proteins, vitamins, and trace minerals your cattle need for faster gains. USS Verta-Gain pays immediate benefits to the cow-calf operators who want a heavier, healthier, more uniform calf crop.

The cattlemen who elect to keep their calves for finishing get an extra return from the quick, low-cost start. There's a quick return on heifers used for replacements because of earlier conception. And the dividends on the brood cow come with earlier cycling and breeding as well as easier calving.

Prove it to yourself. Let your dealer show you how USS Verta-Gain can be your best stock investment. USS Verta-Gain liquid feed supplement is another fine product from USS Agri-Chemicals, a division of United States Steel.
HERE'S a great temptation when writing about Italian cattle to paraphrase Julius Caesar with a succinct "Veni, vidi, which see?"

The enthrancing countryside of Tuscany, Umbria, and the Marche where the most prominent of the Italian breeds are found is saturated with antiquities that immediately evoke reference to ancient Roman times. And, like Caesar, the traveler can say I came, I saw. But he can hardly claim he has conquered. Instead, he may have to admit he has been enthralled with what he has seen and the question becomes one of how to appraise these unique cattle.

Italy actually has quite a number of cattle breeds, at least 17 by the last count, many of them mere provincial derivations. Those, however, in which the North American producer is currently most interested are the three known collectively as the Italian White Cattle. These include the Marchigiana, the Chianina, and the Romagnola, to list them according to the size of their respective populations in their home-lands. Those populations range from around 640,000 head for the Marchigiana down to about 238,000 for the Romagnola. The Chianina check in with about 360,000 head.

The Chianina are reputed to be the oldest breed and the largest cattle on this orb. Anyone who has seen them would hesitate to dispute the latter part of that claim. The Marchigiana and the Romagnola are right there in the same class when it comes to size.

Fifteen years ago when he was still largely convinced of the superiority of the tidy, compact type of beef animal, the American cattleman would hardly have taken a second look at these Italian representatives. But times have changed, altered largely by the inexorable demands of economics. Scale is in. Dumpiness is out. The emphasis is on growth rate. And it doesn't take more than one look at those big white cattle to be convinced that they are growing fools.
This observer made the Italian pilgrimage recently with that lively Ceylonese turned American, Dr. A. H. J. Rajamannan, and a group of American cattlemen. Rajamannan, whose two organizations, International Genes and International Cryobiological Services, Inc., currently offer beef producers semen from the three Italian breeds and from the Blonde d'Aquitaine and Normande, probably holds title as the discoverer of the Italian White cattle. He was instrumental in importing the first semen, lived in Italy with the cattle for the first two years the importations were in progress, and probably is better informed about the breeds than any non-Italian.

“What got you interested in these cattle?” we inquired of this innovator as we winged across the Atlantic.

“Fatale did it,” he said. “He was the first Chianina bull I ever saw and he blew my mind. He was tremendous. I knew there was a place for his kind in the United States.”

There are increasing numbers of U.S. cattlemen who agree with that evaluation. But where in this big, wide country do these cattle fit? A glimpse of them in their native environs would suggest that they will adapt quite well to the American southland.

Short-haired, loose-hided, and white, they seem to have features quite similar to the Zebu. Some authorities claim they derived centuries ago from the Bos indicus; others see them as a Podolic derivation. But the Podolic cattle, too, apparently came to Europe from southwest Asia by way of Turkey and Hungary.

The climatic adaptability of these cattle is well established. While the parts

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of Italy in which they have prospered over the centuries range between 43 and 45 degrees North latitude, a belt which, extended westward, cuts through northern New York states and Ontario, the influence of the Mediterranean tempers the climate dramatically and produces a mild environment where vineyards and olive groves thrive. The Riviera, famous for its lush climate is, of course, in this same latitude.

But these cattle do well, too, in higher, colder regions as we observed when we saw them pulling plow and cart in the rugged Apennines. And therein lies another element of which the American producer should be aware. These cattle, through the centuries, have been draft/beef animals. Few, if any, of the bulls are ever cut and it is the cows that are used under the yoke. They have proven themselves very creditable beef producers.

Most of the herds are small, a half dozen to perhaps 10 or 12 head, and they are usually stabled throughout the year. Most of the farms are no more than 30 to 40 acres in size. Very little grain is fed.

Another feature the American cattleman will have to accept in these cattle is the lack of udder development. Many of the cows have no more udder than a mare. Yet this seems to present little difficulty in rearing big, fast gaining calves.

The calves, incidentally, are born brown, a shade which rapidly fades until they are almost pure white by the time they are 30 days old.

But to return to the matter of climatic adaptation: One of the larger Chianina establishments we visited was the Radi Farm of Dr. Guccio Furtugueri and his son, Alessandro, located at Monteroni d’Arbia in the Val di’Chiana near Siena. This was in hill country that impresses one as being much like parts near Ancona. This was in hill country that impresses one as being much like parts near Siena. This was in hill country that impresses one as being much like parts near Siena. This was in hill country that impresses one as being much like parts near Siena. But to return to the matter of climatic adaptation: One of the larger Chianina establishments we visited was the Radi Farm of Dr. Guccio Furtugueri and his son, Alessandro, located at Monteroni d’Arbia in the Val di’Chiana near Siena. This was in hill country that impresses one as being much like parts near Siena. This was in hill country that impresses one as being much like parts near Siena. But to return to the matter of climatic adaptation: One of the larger Chianina establishments we visited was the Radi Farm of Dr. Guccio Furtugueri and his son, Alessandro, located at Monteroni d’Arbia in the Val di’Chiana near Siena. This was in hill country that impresses one as being much like parts near Siena.

The Radi place, incidentally, is atypical of most farms in its region. It includes hundreds of acres and a herd of some 450 cows. Here we saw Cattuto, a seven year old bull that weighed over 3000 pounds. The average weight of the yearling bulls was 1200 pounds.

The Chianina Herd Book requires that registered cattle be weighed every six months. At Radi they are weighed every month. The cows here were stanchioned in long lines on either side of a feeding shed at our arrival. This, however, is one of the farms which has now adopted the practice of turning its stock on pasture. The size and scale of the Chianina is extremely impressive. American cattlemen have become accustomed to seeing pictures of these bulls in poses that seem to dwarf the man holding the animal. This observer can testify that in no instance is there any need either to elevate the animal or to dig a hole for the man to create this impression.

The Chianina are long, muscular, upstanding cattle. They are white with occasional touches of black around the eyes, the brush, the muzzle, the hooves and the points of the horns. The body is extremely long but well muscled.

The Romagnola are shorter than the Chianina, blockier, have wider heads and bigger horns. They have more grey in their coat color, too, than the Chianina. They weigh up to 3000 pounds. These cattle are found mostly in the provinces of Forli and Ravenna to the north and east of the area dominated by the Chianina.

The Marchigiana, named for the Marche region along the Adriatic which is their homeland, are, as indicated earlier, the most populous of the three white breeds. They are said to supply about 45 percent of the beef eaten.

The specimens we saw of this breed on farms in the Osimo area and at bull studs near Ancona and Macerata were, again, quite long bodied, wide and muscular in the shoulders, with well sprung ribs and smoother fleshing than the representatives we had seen of the other two breeds.

These breeds are all reputed to calve easily. Cattlemen utilizing crossbreeding with smaller breeds of cows have learned, however, that calving ease varies with the sire used and that there can be considerable variation within breeds. One of the management inputs that any breeder launching into these less familiar breeds must emphasize is attention to the cow herd at calving time.

Many thoughtful authorities are predicting that cattle will have a hard time in the future competing with the human population for grain, that perhaps 30 days in the feedlot will be all the finish that will be put on an animal. Such a situation, of course, will demand growthy cattle that will do well on grass. Under such conditions the Italian White cattle could come on very strong.
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Give your cattle what they need — when they need it — with MoorMan’s

For minerals needed with pasture or roughage, there’s MoorMan’s Florida Special Cattle Minerals A, a complex combination of minerals plus 200,000 units vitamin A per lb.

For extra phosphorus, there’s Florida Cattle Minerals AP—for feeding with citrus pulp or low-phosphorus native grasses such as pangola or bahia. Supplies 200,000 units vitamin A per lb., 15% high-quality phosphorus, other minerals, EDDI.

For protein, minerals and vitamins, there are Mintrate® Blocks for self-feeding. Different palatability levels for consumption control. Also available: Mintrate Blocks Medicated that supply antibiotic. And Mintrate Cubes, too.

For extra magnesium and protein needed in winter with low-magnesium forages, there’s Mintrate Mag Block. Also supplies other minerals and vitamin A.

For horn fly control on grazing beef cattle, there’s IGR Minerals. Contains insect growth regulator that stops horn flies in the harmless pupal stage.

For grub control, there’s Rid-Ezy® Medicated. Use 14-day, in-the-feed treatment after heel-fly season ends. Or self-feed to grazing beef cattle for 75 days or longer — also helps control horn flies. Supplies minerals.

For wormtreating, there’s E-Z-Ex® Wormer Blonde Block for Cattle Medicated for self-feeding. E-Z-Ex Cubes are available for handfeeding on pasture, E-Z-Ex Pellets for mixing with grain.

This wide choice of products is one reason the MoorMan Man brings his feed-counseling service direct to your farm or ranch.

He’ll suggest products to fit your forage and your cattle at different times of the year. Then he’ll outline a program, complete with estimates of your needs.

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every link strong... for profitable calf production

Never before have such powerful links been available to strengthen your chain of operations. Top sires and improved bred stock, linked together with a sound A.I. program and proper heat detection all work to keep you on target for the challenge of the beef industry today. Each link is important. All work together. They all must be strong. In heat detection the KaMaR HEAT-MOUNT DETECTOR is the proven link to selective breeding efficiency. KaMaR lets you know at a glance, and with 95% accuracy, when a cow is ready to be bred. In herd improvement you have the full resources of the A.I. industry. Call a technician from the broader organization of your choice to put it all together, to put "beef-booster" power into your herd.

Find out how efficient, inexpensive and easy KaMaR Heat-mount DETECTORS are to use. They help make A.I. work. KaMaR takes the worry, and a great deal of time, out of heat detection and lets you concentrate on better management and breeding practices. A.I. becomes more profitable, more practical with a minimum of missed heats. KaMaR is on the job 24 hours a day to catch silent heat, night heat and help settle more cows on time.

Applied with adhesive over the cow's sacrum, detector is activated by bulling activities in the herd. A built-in precautionary time interval protects against false mounts. If she's not in heat, detector will not activate. When detector turns red she's ready. Save man hours. Check for red detectors only morning and evening. KaMaR IS THE PROVEN ONE... and no vasectomized or penectomized bulls to buy or feed. No ink wells to fill.

Take the big step up to a successful A.I. program. Make plans now to improve your efficiency.

'Continental' Breeds Still Strong on Cattle Scene

"Continental" or "exotic" breeds have come along strong in recent years on the U.S. cattle scene and many commercial cattle owners along with those working up to purebred have these European bloodlines in their programs.

Following is a listing of some of those known to be in use in the U.S. with some used in Florida both through artificial insemination and breeding up from percentage progeny.

Beef Friesian

The Beef Friesian breed originated in The Netherlands where for centuries it has been one of the established dual breeds. From there the cattle were exported to other parts of Europe and to the British Isles and Ireland. From Ireland they have been introduced to the U.S. A high percentage of all beef consumed in Britain comes from Friesians or Friesian crosses.

The animal is a big, long-muscled bovine, black and white in color. The breed offers early sexual maturity, high fertility, and ease of calving. The cows are known as excellent mothers and milk producers. The slaughter cattle grade well and produce high yielding carcasses.

Blonde D'Aquitaine

One of the newer introductions from southern France, this breed is also known as the Garonne. The cattle are fawn colored, varying from wheat to slightly red. They are horned with short, soft hair.

 Authorities state the cattle are strongly muscled with wide hips and wide descending buttocks, deep chest and well-developed hindquarters. They have been much valued for their strength as draft animals as well as for their meat and milk production.

Brown Swiss

Noted as one of the oldest of all recognized breeds, the first Brown Swiss entered the U.S. from Switzerland over 100 years ago. The breed has a long history of improvement through performance and selection with emphasis on high milk production for the greatest number of years. This has resulted in greater size and thriftiness along with gaining and growing ability.

Brown Swiss are brown in color, varying from light to dark. They have a lighter mealy band around the muzzle, the poll, and sometimes down the topline. They are one of the largest and most heavily muscled of all dairy breeds. Mature bulls should weigh 2200 to 2500 pounds; cows between 1400 and 1600 pounds.

The Florida Cattleman / September 1976
NOW, FROM CONIBEAR

If you're a rancher you know what a day or two delay at harvest time can cost. Nutrients lost from a few days delay can mean hundreds of dollars spent for the purchase of additional supplements at feeding time. Now, one man can cut harvesting time and reduce costs with the GEHLBALE 1500. Because more hay is harvested in a given amount of time, especially first cutting, hay harvest can more economically compete with planting and care of crops. Don't consider another "round" baler until you have the facts on this one.

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The Florida Cattleman / September 1975
Chianina
Listed as the largest of all cattle, the Chianina originated in the valley of that name in central Italy. They are horned, white cattle with a reputation for producing excellent meat. They are said to have been the sacrificial cattle of the ancient Romans, and until recently, were used for draft stock as well as for beef.
Mature bulls weigh 2500 to 2800 pounds with some weighing as much as 4000 pounds. They stand five and a half feet and more at the withers. Cows weigh 1700 to 2100 pounds.

Gelbvieh
The Gelbvieh are native to Austria and the Bavarian region of West Germany. Their color varies from a light tan or yellow to a light red. They have an excellent beef conformation though. In their native environments, they have been developed as a tri-purpose animal, for draft as well as for milk and meat, according to the area in which they are raised. Mature bulls weigh 2200 to 2400 pounds. Mature cows weigh 1400 to 1800 pounds.

Limousin
This breed of cattle is one of the most important in continental Europe. It originated in south central France and was developed for draft and beef. It is red-gold in color, blending to a lighter shade around the muzzle and on the legs.
The Limousins have a high growth rate and an excellent beef conformation. The body is long with a good length of loin. The hindquarters are heavily muscled and the thick buttocks are rounded with the muscles carried well down to the hocks. Mature bulls weigh around 2400 pounds with mature cows weighing about 1300 pounds.

Maine-Anjou
This French breed resulted from crossing the native Mancelle cattle of Brittany with imported English Shorthorns. They are horned, are red and white in color, and have been described as probably bigger than any other French breed. Their growth rate is high and their carcases are of excellent quality.
Maine-Anjou cattle have a heavily muscled body of typical beef conformation, a deep, wide chest, well-sprung ribs, and a long, muscular rump with the meat carried well down on the legs. A bull in breeding condition weighs around 2400 pounds. Cows weigh 1400 to 1600 pounds.

Marchigiana
This Italian breed of cattle is native to the central part of that country. The cattle are large, the bulls weighing up to 2650 pounds, with the cows weighing 1350 to 1500 pounds. They are gray in color and have medium-sized horns.

Norwegian Red
One of the newer breeds introduced on the North American continent is the Norwegian Red which originated in the mountainous country of Norway.
The first Norwegian Reds imported into the U.S. arrived in Tennessee on June 5, 1973. There were six young bulls and 42 bred heifers in the shipment.
The Norwegian Red is known as the first modern-type European “exotic” cattle breed to be imported directly to the U.S. from its native country.

Parthenay
Parthenay (or Parthenaise) is a tri-purpose breed—milk, beef and draft—and is native to west central France and is of ancient origin. The cattle are horned and are of fawn color with the coat of the bull darker than that of the females. They are described as having a well-developed body on a good frame with a straight back, a deep chest, prominent hips and rectangular buttocks.
Bulls weigh from 2100 to 2300 pounds with cows from 1400 to 1500 pounds.

Pinzgauer
This breed is native to the Alpine areas of southern Germany and Austria. It is another of the draft-milk-beef breeds that is now being looked to for efficient beef production.
The coat color is a chestnut red or
TETRABLEND® 444 BRAND ANNUAL RYEGRASS

Economical grazing winter through spring

Measure protein, TDN costs by the penny

Feed production costs have risen tremendously in the last few years. But the cost per pound of TDN from Tetrablend 444 Brand Annual Ryegrass is just a penny a pound. Protein, 2 cents. Put that up against other winter pasture grasses you could grow and it’s obvious — Tetrablend 444 Brand is the most economical feed you can grow, winter through late spring.

Production plus: Extra grazing days ... then a bonus

In NK tests with Tetrablend 444 Brand, there’s 15,000 lbs. more green matter and 2,300 lbs. more dry matter per acre than common ryegrasses. And 1,450 lbs. more TDN and 680 lbs. more protein per acre, too.

Tetrablend 444 Brand keeps producing in late spring when you really need it. With good management, Tetrablend 444 Brand can give about 30-45 extra days of grazing over common ryegrass. A good, firm sod allows cattle on the pasture even in wet weather for another 15-20 extra grazing days. Then, the bonus. Growers report there’s often enough growth left following a winter of grazing to take a crop of hay — 70-80 bales per acre.

Get more beef and milk per acre with TETRABLEND 444 Brand

Rich, palatable Tetrablend 444 Brand can add more pounds of beef and produce more milk per acre than the common ryegrasses. Not bad for the least expensive feed you can grow for your animals, is it?

Results of five years of testing at Atmore, Alabama, show that based on digestible protein, Tetrablend 444 Brand can out-produce ordinary ryegrass by 770 more pounds of beef and 8,500 more pounds of milk an acre over the November-May grazing period. And, the peak advantage shows up in March, April and May when other common ryegrasses often let down. That’s Tetrablend 444 Brand ... with the dollar-making performance advantages.

Comparative feed source costs

<table>
<thead>
<tr>
<th>Source</th>
<th>TDN Costs per lb.</th>
<th>Protein Costs per lb.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tetrablend 444 Brand</td>
<td>1¢</td>
<td>2¢</td>
</tr>
<tr>
<td>Cottonseed meal</td>
<td>11¢</td>
<td>21¢</td>
</tr>
<tr>
<td>No. 2 yellow corn</td>
<td>7¢</td>
<td>75¢</td>
</tr>
</tbody>
</table>

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FS 641-6

The Florida Cattleman / September 1975
brown with a white stripe of varying width along the back and loins down the thighs and along the underside to the brisket and sometimes even on the forearm.

Mature cows weigh from 1300 pounds to 1550 pounds with the bull weighing up to 2400 pounds.

The breed is noted for having good fleshing qualities.

**Romagnola**

Gray in color, this breed is the principal beef breed of northern Italy. They were developed for both draft and meat, are relatively low on the leg and are very muscular.

They have horns of medium length and the bulls usually have dark markings on the shoulders and a black patch around the eyes. The bulls usually average around 2500 pounds with the cows from 1450 to 1750 pounds.

**Simmental**

This breed is also known as the Pie Rouge, the Fleckvieh, the Abondance, the Montbeliard and by various other names according to the strain and the country in which it is found.

The Simmental is one of the most widely distributed of all breeds of cattle and originated in western Switzerland. Originally developed for milk, meat and draft, the Simmental are now much in demand for beef.

The cattle are big, red and white and horned with the red shading from a yellowish hue to a deep red. The face is usually white. They are long bodied; the rump is long, wide, and level, and the thighs are well muscled. Mature bulls weigh up to 2600 pounds and the cows weigh from 1400 to 1800 pounds.

**Tarentaise**

This breed is hardy, medium sized, and come from the mountainous area of southeastern France. Their color runs from yellowish fawn to a reddish tan. Their horns are lyre shaped.

The Tarentaise have been developed for milk, meat, and draft with the emphasis in recent years on milk production. They have been found to finish well on grass and more attention is now being directed to their beef characteristics.

Mature bulls weigh around 1800 pounds with some going well over a ton. Mature cows weigh 1200 to 1300 pounds.

Florida tobacco growers are expecting to harvest 12,900 acres of flue-cured tobacco this year, which is 10 percent more than 1974.

Fed cattle marketed during May totaled 1,172,000 head, down 24 percent from the fed cattle marketed during May of last year.

Lamb and mutton production in May was down 14 percent from May 1974.

---

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**Florida tobacco growers are expecting to harvest 12,900 acres of flue-cured tobacco this year, which is 10 percent more than 1974.”**

**Fed cattle marketed during May totaled 1,172,000 head, down 24 percent from the fed cattle marketed during May of last year.”**

**Lamb and mutton production in May was down 14 percent from May 1974.”**

The Florida Cattleman / September 1975
This half blood Limousin x Brahman female is being used in the Top Hat Ranch program to develop a new breed.

Top Hat Aims For New Breed

Developing a new breed of cattle from the Limousin breed is one of the primary goals of Top Hat Ranch, Madison.

The ranch, owned by R. W. (Woody) Sudbrink and managed by Bill Kinner, already has the largest herd of producing purebred Limousins in the U.S. Through importations and the advent of the embryo transplant, Top Hat will have about 70 head of purebred Limousin by the summer of 1976. The ranch currently has 40 purebreds, mostly females, along with a large herd of 3/4 and 7/8 blood Limousin cows.

According to Kinner, in the future the ranch will be known for more than its purebred Limousin. Kinner is currently following a systematic program to develop a new breed of cattle.

The new breed, which has not been named yet, will be percentage Limousin and Brahman. The ranch has the only 1/2 Limousin 1/2 Brahman cows recorded with the North American Limousin Foundation, that have recorded parents on both sides, and they are now being bred to a Brahman bull.

"We're just a step and a half away from having the first of our new breed on the ground," Kinner says. "In three years you can come and look at them."

Kinner believes that the high catability, gainability and carcass quality of the Limousin coupled with the adaptability and mothering ability of the Brahman will produce a breed tailor-made for Florida.

"I haven't seen any animal that can compare with Limousin when it comes to red meat product, and they are top milkers, too," says Kinner. And, he adds, "the Brahman's ability to perform in Florida has been proven over the years. Most Florida commercial ranches need Brahman blood under current management practices. I believe when we get our new breed developed we will have something that will do Florida cattlemen some good, from the best of both types of cattle."

Kinner is a Florida native, born and raised in Osceola County near St. Cloud. As a youngster he was very active in 4-H and FFA work, showing steers and breeding animals at many Florida youth shows.

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The Florida Cattlemen / September 1975
Prior to becoming manager at Top Hat Ranch, Kinner served as herdsman and manager of Ankony Angus Ranch, Rhinebeck, New York. In 1973, while Kinner was managing Lee Leachman’s Triple L Ranch, Hotchkiss, Colorado, the ranch had the champion carload of feeder steers at the National Western Stock Show in Denver, Colorado. The calves were half Limousin, the first crossbreds ever to win the show. They still hold the top price per pound record.

Kinner says he is not sacrificing quality to develop the new breed. “We’re using only top quality purebred Limousins and Brahmins in the program. And when we get the new breed established we will have quality to start with because we are maintaining our quality standards all the way. We’re using performance records in the selection of foundation cattle.”

The new breed will not take over Top Hat, however. The ranch plans to continue to be the “top” source of purebred Limousin in the country. “We’ve already seen enough of Limousin to know they have a place in the beef industry,” says Kinner. “I haven’t seen any breed that compares with them.”

In the 23 major cattle feeding states the cattle and calves on feed in July for slaughter market was 15 percent less than a year ago and the smallest July number on feed since 1967.
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Limousin are Tops

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FLORIDA COWBELLES officers and committee members met in a day-long session recently at FCA headquarters in Kissimmee to formulate plans for the coming year. President of the group for the second consecutive year is Mrs. Gilbert A. Tucker, Cocoa, center.

Gilbert Tucker Heads FCA for ’75-76; Looks to Progressive Year Ahead

Gilbert A. Tucker of Cocoa, native of Orange County, heads the Florida Cattlemen’s Association for the coming year. He took office at the recent FCA convention held in Kissimmee.

Tucker was born at Christmas, the son of Mr. and Mrs. A.F. Tucker, pioneer cattle family in Orange County. He was the fifth of nine sons born into the Tucker family. He attended elementary school at Christmas and junior high school in Orlando. At the age of 14, he moved with his family to Bunnell where he graduated from high school in 1935.

Upon graduation from high school, he entered the University of Florida where he graduated in 1939 with a B.S. degree in agriculture. He was active during his college years in campus activities and was a charter member and the second president of the University of Florida Block and Bridle Club.

He is married to Ruth McLean Tucker, who is serving her second consecutive term as president of the Florida CowBelles Association. They have three sons, Andy, 29; Fred, 25, and Robert, 23. All three are active in the family ranching business.

The Tuckers raise purebred Brahman cattle and also are commercial cattle producers. They operate some 7100 acres in Brevard County.

Tucker has been active in industry and civic organizations including FCA; the Brevard County Cattlemen’s Association; Soil Conservation Service; Agricultural Stabilization & Conservation Service (ASCS); and Farm Bureau.

He served as president of the Brevard County Cattlemen’s Association for three years and represented the county association as alternate and state director to FCA for eight years. He has served as second and first vice president of FCA since 1972.

Included among the recognition and many honors received by Tucker was his selection in 1972 by Florida’s county agents for his outstanding contributions to Florida agriculture.

Tucker is a firm believer in the family farm enterprise and feels it is the backbone of American agriculture—that the family is the true strength of a nation. In 1973 the Tuckers were named the outstanding farm family in Brevard County.

Well-versed in committee functions of FCA, Tucker served as chairman of the marketing committee from 1960-67, has served on the budget and finance committee and the executive committee. A significant program developed under his marketing committee chairmanship was expansion of the Florida feeder calf program which was coordinated with the Florida Department of Agriculture.

Tucker is noted for his support of Extension Service activities and has worked with his county agent in setting up programs for the benefit of Brevard County ranchers. He has helped establish programs on pasture establishment and maintenance; cattle breeding; herd health; selection and management; grazing programs; feeding programs and use of modern equipment for more efficient beef operations.

A member of a number of organizations, Tucker served as Florida director for the American Brahman Breeders Association from 1952-57; president of the Eastern Brahman Association in 1957-58 and he is currently a member of the board of directors of EBA; he served as a member of the board of directors from 1958-71; president of the Florida Association of Livestock Markets 1963-65.

Tucker is looking to a progressive (Continued on page 51)
Lot 1—1/917Y Cherokee Negro

This very modern, speckled son of our 1/289 is the best bull we've ever offered at a production sale. He has the size, the muscling and breed character to be one of the great herd bulls.

All ten bulls offered are herd sire quality.

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Tucker

(Continued from page 48)

year for FCA and is presently selecting chairmen for the various committees. As he sees it, current market conditions call for the type of calf produced in quantity in Florida that can be raised on grass and slaughtered or to the feedlot for a short-term feeding period.

Tucker aims to see that members of FCA will find a ready market for their production and much attention will be paid to marketing by the association in the coming months, he points out.

Restrictions

Lifted by Ford

U.S.—Canadian cattle import restrictions were lifted on August 6 when necessary documents were signed by President Gerald Ford.

After being restricted for the past year to average numbers shipped there annually during 1969-1973, the Canadian border is open again to U.S. cattle destined for prompt slaughter. At the same time, Canadian cattle, hogs and pork can move into U.S. areas without quantitative restriction.

It appears unlikely that there will be much immediate impact for U.S. cattle and beef because of the present market price structure. However, U.S. cattlemen seeking to import European breeding stock through the Canadian system should be helped.

Quotas on beef movement both ways were retained, which means that the limits on imports from Canada under this year’s voluntary restraint program will remain in effect.

Manatee County

Gets Recertified

Manatee County has been recertified as a modified brucellosis-free area. The status indicates that fewer than one percent of the cattle in five percent of the herds in the county are brucellosis reactors.

The Manatee County Cattlemen’s Association kicked off its drive to achieve modified-certified status during the 1965 Manatee County fair. Eighteen months later, the county reached the goal and has been modified-certified ever since. It was one of the first in the state to be so designated.

Fed cattle marketed for slaughter during the April-June quarter was down 20 percent from the same quarter in both 1974 and 1973.
PHIL REDDITT is shown working cutting meat at the family-owned business, Redditt Custom Meats of Union Park.

Phil Redditt Gets Award

Phil Redditt of Union Park, a member of the Orlando-Colonial Chapter of Future Farmers of America, has been selected as the FFA American Star Agribusinessman of the Southern Region. The award was in the form of a $500 check.

Redditt received the award based on his agribusiness activities in meat processing, sales, and service at the family-owned business, Redditt Custom Meats.

Redditt is now one of four regional winners being considered for FFA American Star Agribusinessman to be presented at the National FFA Convention in Kansas City, Missouri, next November following a premier presentation of a movie showing the programs of the four competitors.

A product of the agri-business program at Colonial High School and Union Park Jr. High, Redditt’s achievements include:

- 1972 State FFA Livestock Judging Team;
- 1971 State FFA Agricultural Processing Award;
- 1972 State FFA Feeder Steer Award and vice president of the Orlando-Colonial Chapter.

FFA advisors for the Colonial FFA Chapter are Fred Dietrich, Bill Sasser, and Tom Poland.

Pork production totaled 1212 million pounds in January, five percent more than a year earlier. Hog kill totaled 7,233,500 head, an increase of two percent from 1973, according to USDA.

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OKEECHOBEE, FLORIDA 33472
Registration of Brands Show Decrease in '75

A decrease of 1858 brands has been reported by Richard F. Marsh, supervisor, marks and brands unit, Florida Department of Agriculture, Tallahassee. Marsh said that as of June 30, 10,029 brands were recorded with the drop being attributed to the cancellation of 2367 inactive brands in March. During the fiscal year 1974-75, 613 brands were registered. A total of $613 in fees were received and $51 in fees was refunded.

During the period the unit collected $3705 in fees as a result of issuing 741 Livestock Hauler's Permits. This was a decrease of 196 permits from the 1973-74 fiscal year.

Marsh reports the investigative section of the unit assisted in the investigation of 149 complaints of missing, stolen, or slaughtered livestock, and equipment and feed for livestock stolen or destroyed by arson.

Livestock valued at $125,150 were involved with equipment listed at $40,642; feed at $50,925, and meats at $30,439. The number of livestock reported stolen or missing decreased by 215 percent for the period. Significantly, Marsh pointed out, equipment and farm products, stolen or destroyed, increased during the period.

Marsh noted that the trend appeared to be that when cattle prices were high, thefts were up and when prices lowered, thefts shifted over to feed and equipment used in the production and handling of cattle.

The $10,833 worth of livestock and equipment reported recovered amounted to 4.9 percent of the total reported stolen, missing, or slaughtered, or destroyed by arson, Marsh pointed out. The figure does not include $30,439 worth of beef quarters and processed meats reported hijacked or stolen.

Leon Association Elects Officers

Herbert Nistendirk has been elected president of the Leon County Cattlemen's Association and will also serve as director to the state state association.

Serving with Nistendirk for 1975-76 are: Tom Humphress, Vice president; Jack Pons, secretary, and Frances Morgan, treasurer. All are from the Tallahassee area.

USDA reports that May marketings of steers and heifers sold out of first hands for slaughter at the seven major markets totaled 192,395 head.

Cattle and calves on feed June 1 for slaughter market in the seven major feeding states totaled 5,841,000 head, down 26 percent from a year ago.
Illinois Youth Named Top Angus Showman

Dave Zehr, a 19-year-old Angus showman from Flanagan, Illinois, was named winner of the 1975 National Junior Angus Showmanship Contest July 26 at Omaha, Nebraska.

Zehr, a sophomore at the University of Illinois, was one of 74 local winners from 38 states and Canada to compete in the contest at Omaha's Ak-Sar-Ben Field. The contest was held in conjunction with the National Junior Angus Heifer Show, which was all a part of the National Junior Beef Heifer Classic co-sponsored by the national Angus, Polled Hereford and Shorthorn Associations.

Second place in the contest was won by Lynn R. Holt, 20, Winfield, Kansas, a junior at Kansas State University. Rodney Venable, Verden, Oklahoma, was third; Steve Goes, Beatrice, Nebraska, was fourth; and David Rex, Fenton, Michigan, placed fifth. The five boys were part of 15 finalists.

The judges were Andy McCurry, Burrton, Kansas; Robert Miller, Mabel, Minnesota and Tim Pierce, Englewood, Colorado.

Lisa Ramsey, Micanopy, winner of the Florida Contest last January, was one of the competitors.

"WATCH THEM GROW"
Important Announcement

On November 24, 1975, at our Fall Open House we will offer 50 progeny proven cows for public sale.
We will offer all of our Fall calving cows born prior to August 1, 1969. No cows will be held back.
All cows will have a calf at side born during September or October, 1975. We will sell the pair as one unit.
These cows will have records on a minimum of 3 or 4 calves. Pairs will be priced based on progeny ratios and age of cow.
Our future policy will be to retain all suitable replacement heifers for our herd. Only progeny proven cows will be offered for sale.
We will also offer 40 performance proven bulls for sale that are just off feed test.

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Pedigree Information to Help Commercial Cowmen Buy Bulls

Pedigrees, both of known ancestry and production, will become more important to commercial cattlemen in the years ahead when they buy bulls, agreed a committee of five commercial cattle breeders at a special meeting in Saint Joseph, Missouri, recently.

With the increased use of cross-breeding in recent years, known purity of blood of one breed is as important, or more important than ever, the men said, but to a man, they pointed out that it is going to be increasingly difficult to merchandise breeding stock in the years ahead without accurate, reliable production records.

The cattlemen, members of a newly appointed American Angus Association commercial beef cattle committee, are all commercial breeders who have straightbred Angus herds. They are Wayne Brooks, Bowman, North Dakota; Merlyn Carlson, Lodgepole, Nebraska; Drane Penner, Mill Creek, Oklahoma; Floyd Mills, Sedan, Kansas; and Bowman Virden, Jackson, Mississippi.

Chairman of the committee is Robert Geiss, Arnold, Kansas, a registered Angus breeder and member of the American Angus Association board of directors.

There is never going to be widespread use of conventional production records programs in commercial cattle herds, the group concluded. While most of the committee members do have their cows individually identified, the men do not keep individual weaning and yearling weights. This involves much more work than it is worth, they said, and for that reason they believe commercial cattlemen will continue to depend on purebred breeders to measure individual productivity, especially bulls.

"Commercial cattlemen must by necessity deal more in averages," one of the cownmen pointed out. "I know the average breeding date of my herd, and I weigh all my calves at weaning time by sex and age groups to get an average weaning weight, but individual records are too hard to get and of too little value."

The reason individual records on commercial cattle aren't of much use, the men said, is that a commercial cattleman can't afford to cull cows that calf early and calve every year, just because their calves' weaning weights are below average. The cost of producing her replacement, plus the corresponding low production of first, second and even third-calf heifers often would not be offset by increased production later in the cow's life. By the same token, they pointed out, early calf ing and regular production are so important that a cowman can't afford to keep a late calver or irregular calver in the herd regardless of the kind of calf she produces.

It is the registered breeder who must make full use of production records, the committee reported, and then pass the benefits on to commercial breeders through improved bulls.

The group also agreed that they want as much production information as possible when selecting bulls. The use of weights only or ratios only is misleading in many cases, they pointed out. Their preference is for both weights and ratios along with the number of contemporary animals weighed and ratioed in each group.

The value of bull test stations was also discussed in detail during the eight-hour meeting. Despite some problems, the men were unanimous in the belief that test stations have been helpful to them and to the beef cattle business. They see increased future value in test stations because of higher feed costs forcing reduced feeding periods.

"How can beef breed associations be more helpful to commercial cattlemen, besides from helping members produce better cattle?" the committee was asked. The group offered these recommendations.

1)-Give recognition to above average commercial herds that have used registered Angus bulls for three or more generations and help promote the resulting straightbred Angus heifers to other cattlemen who are looking for high quality replacements for crossing or straight breeding.

2)-Sponsor, or encourage sponsorship of more Angus feeder calf sales to highlight the value of top quality Angus feeder cattle.

3)-Help commercial cattlemen and cattle feeders obtain more carcass information on the animals they produce and finish.

Directors Meet

Board of director members of the Florida Angus Association met at the Marion County Agricultural Center, Ocala, July 25, to review upcoming plans for the association. The meeting was chaired by Leroy Baldwin, Ocala, president.

Sale plans included the female sale which was held July 26; a graded bull sale set for October 14 at the Southeastern Pavilion, Ocala, and the Florida Angus Futurity at the pavilion January 23-24, 1976.

A report on 27th Florida Angus Feeder Calf Sale held July 18 was given by sale chairman Martin Nicely, Lake City.

Harry Epstein, on behalf of Southern Star Land & Cattle Company, Inc., Citra, offered to host the association's annual field day on October 4.
Introducing America's First Recognized Commercial Angus Cow Herds

A nucleus of purity is the foundation of Beef Cattle Progress.

The American Angus Association is proud to introduce these herds of straightbred commercial Angus cows that have been "approved" or "recommended" in its recognition program. This nucleus of the first Angus herds designated as "approved" or "recommended" pinpoints sources of foundation stock the industry needs for real and true progress.

This nucleus will continue to expand. Whenever you, or your customers, need "approved" or "recommended" Angus steers, heifers, or cows, drop us a line for an up-to-date listing.

Garth Barnes (a) Cody, Neb.
Arden Bell (r) Fordville, N.D.
Howard & Wayne Brooks (a) Bowman, N.D.
Don Bedell (r) Paso Robles, Cal.
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Gary Hadley (r) Rhodes, la.
Heyward Green Farm (r) Franklinton, La.
Jack & H. C. Grafa (r) San Angelo, Tex.

Jackson Ranches (r) Duncan, Okla.
Lazy LP Ranch (a) Cheyenne Wells, Col.
Kenneth Mortag (a) Cascade, Mont.
Moyer Angus Ranch (r) Hopkins, Mo.
N-Bar Ranch (r) Grass Range, Mont.
OK Ranch (a) Crawford, Neb.
Andy Olson (a) Council Grove, Kan.
Dwain Penner (r) Mill Creek, Okla.
Jack & Harris Penner (r) Mill Creek, Okla.
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Ric-Car-Bar Ranch (r) Raymond, Miss.
Rice Ranches (r) Harrison, Mont.
Schulz Bros. Ranch (a) Sheridan, Mont.
Schurr Bros. (r) Farnam, Neb.
Sixty-Nine Bar Ranch (a) Lavina, Mont.
Snyder Bros. (a) Paxton, Neb.
Clayton Stribling (r) Llano, Tex.
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Valley Grove Farm (r) Milton, Ind.
Warner Angus Ranch (a) Speaville, Kan.
Lane T. West (r) Wichita Falls, Tex.

(a) A herd of "approved" straightbred commercial Angus cows has been visually inspected by a representative of the American Angus Association to insure its level of quality, growthiness, and Angus character.

(r) A herd designated as "recommended" has been approved and also is using a program of production testing as a key part of overall cow herd management. Recommendation is based on the owner's sincere and continuous effort to make significant improvement based on measures of productivity.

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The Florida Cattleman / September 1975
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—MONDAY, OCT. 6, 1975, 10:00 A.M. —

Okeechobee, Florida, on SR 435 off U.S. 441

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Here is an opportunity to avail yourself of some of the best of the Angus breed. For further information contact the sale manager or the owners.

**phil Sanders**

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Consignors to the sale were:
Z. W. Brantley, Grandin; O.D. Huff, McIntosh; C.T. Boyd, Whitehouse; Phillip Bristow, Hawthorne; A.J. Thompson, Hawthorne; J.D. Wright, Reddick; S.J. Buchanan, Chiefland; Fredy Gaskins, Starke; Gene Lemon, Alachua; T.B. Dunn, Hawthorne; James Hagar, Brooker; E.W. Carver, Gainesville; Hildale Ranch, Live Oak; Sam Wells, High Springs; Alas Greenfield; G. Fort, Chiefland; Fred Clark, Alachua; N.P. Clifton, Ocala; Franklin Crat, Inc.; Micosy; Leon Penner, Florahome; George Wint, Lake City; J.W. Ostler, Uile, M.E. Hall, Dale City; William Brothers, Bayard; Vincent Baker, Hawthorne; Thomas Mathis, Bell; Dr. J.A. McDevon, Fort White; J.E. Davis, Jacksonville; Dr. C.S. Hagood, Ocala; Harder Farms, Chiefland; Arthur Wolfe, Lee; Leonard Grace, High Springs; Ed Stetler, Lakeland; W. Len Warren, Ocala.
113 Lots Sell in Angus Event

An all-female sale sponsored by the Florida Angus Association at the Southeastern Livestock Pavilion, Ocala, July 26, had 113 lots gross $26,770 to average $237 per head.

High selling individual was the Lot 21 consignment of Mrs. C.E. Jenkins of Lakeland. She was Leos Miss Bonnie Blue, with a heifer calf at side by JAR Emulous Master 222, and purchased by Arnold Evenson of Zephyrhills for $700.

A cow/calf combination consigned by E.J. Gibbs, Jr. of Cantonment was split off with the heifer calf sired by Emulous Pride 127 going to W.C. Schweikle of Trenton for $340 and the cow, B W Bummer Maid J20, a daughter of Escort of Manorhill, selling to George Miller, Zephyrhills, for $360 to bring Gibbs a total of $700 for the pair.

High buyer at the sale was Roy Reed of Brooksville paying $5160 for 31 head. Second high buyer was Austin Davis of Odessa with an outlay of $5070 for 24 head.

Auctioneer for the sale was Phil Sanders of Jackson, Mississippi. John Crouch of Mauldin, South Carolina, represented the American Angus Association.

Buyers at the sale with number of head purchased, if more than one shown in parentheses and amount spent, follow:

Arnold Evenson, Zephyrhills (2) $1020; George Holland, Miami (3) $865; John G. Adams, Inverness $230; Roy Reed, Brooksville (31) $5160; Bill Graham, Myakka City (7) $2245; Glenn Morris, Tampa (2) $550; Cashel Stud, Ocala (14) $3065; George Miller, Zephyrhills (3) $910; W.C. Schweikle, Trenton $340; Austin Davis, Odessa (24) $5070; Mary Wolfe, Lee (3) $905; Matthew Lyons, Brooksville (2) $460; A.R. Hill, Miami (6) $1240; Ruben Hawkins, Brooksville $575; Rafter J Ranch, Lakeland $350; Southern Star Land & Cattle Company, Citra $510; Fred Mueller, Starke (11) $2975; Jack Barga, Homosassa $400.

Consignors to the sale were:

Joe and Alice Leonard, Lakeland; Thompson Brothers Farm, Marianna; Arnold Evenson, Zephyrhills; E. J. Gibbs, Jr., Cantonment; Charles R. Jenkins, Lakeland; Mrs. C.E. Jenkins, Lakeland; Greenway Angus, Ocala; Bargola Angus Ranch, Sun City Center; S.L. White, Starke; J.P. James, Bartow; Rex K. Smith, Starke.

George Bird Dies From Accident

George W. Bird of Gulf Hammock, 59, well-known Levy County cattleman and rancher, died recently following an automobile accident near Gulf Hammock.

He had lived at Gulf Hammock for 20 years and was a member of the Otter Creek Baptist Church.

He is survived by his wife, Polly Bird; sons, Steve Bird and Danny Snider, both of Gulf Hammock; one brother, Cleo Bird of Zephyrhills; two sisters, Miss Merrie Bird of Zephyrhills and Mrs. Rachael Crews of Tampa, and three grandchildren.

Join your local county cattlemen's association.
Engineers Extends Authority

The U.S. Army Corps of Engineers has decided to extend its authority to regulate all coastal and inland waters throughout the country, according to a release from the Florida Chamber of Commerce, Tallahassee.

Because Florida has more inland and coastal water than any other state in the U.S., this will have a strong impact on future development in the state.

The regulation of wetlands in Florida has been an issue in the past three state legislative sessions but each time, bills have been rejected or failed to make it through the lawmaking process.

The Corps has drawn up a set of regulations which it says will be out into effect over the next two years. Public hearings on the regulations will be conducted around the state but basically the rules expand jurisdiction to (1) wetlands adjacent to navigable waterways; (2) dredge and fill material discharged into primary tributaries of navigable waterways, natural lakes bigger than five acres and adjacent wetlands by July 1, 1976; and (3) regulation of headwaters of streams by July 1, 1977.

Most farming interests are excluded from the regulations, but anyone else, including other federal or state agencies, which do anything involving lakes, streams and wetland areas will have to deal with the Corps.

Cattle Business is Sophisticated;
Guesswork No Longer Recognized

Today's cattle business is very sophisticated, as every cattleman knows. The act of buying and selling cattle is a science—it can no longer be left to chance or guesswork. The cattle producer and feeder of today are not the cowboys of old—they are informed managers and businessmen, who want to use the most sophisticated techniques available in running their operations.

For this reason, the American National Cattlemen's Association, the national organization representing 260,000 cattlemen, created Cattle-Fax, a marketing tool for the cattleman. The purpose of Cattle-Fax is to provide cattle producers and feeders with up-to-the-minute, accurate information, on which to base their crucial, day-to-day and long-term management and marketing decisions.

Cattle-Fax is a professional business market analysis service for the cattle industry. It is designed to cover the basic segments of the industry—the producer and the feeder—and it provides needed and dependable data and analysis to both segments.

Cattle-Fax is a cattle industry self-help program. It is owned, financed and managed by cattlemen. A not-for-profit corporation, it is financed by the people it serves, and is managed by representatives elected from those same people. The service was formed in the late 1960's by the marketing development committee of ANCA, following a crisis in the cattle industry.

The service offers a unique data base: the data is provided by the input of subscribers. As a result, the information is sure to be accurate; it is also available outside of Cattle-Fax. The data is nationwide, and is compiled on Cattle-Fax's own in-house computer in its Denver headquarters.

The organization's communication system assures that the data is always both accurate and current. Each day, Cattle-Fax analysts talk to 300 to 400 members to receive their best, up-to-the-minute information. They obtain such facts as range conditions, feed supplies, breakeven levels, supplies on hand, buyers' attitudes, feedlot conditions, and investor interests. By complementing statistics with attitudes, they are also able to ascertain the market psychology.

How does Cattle-Fax work? First, and most important, through personal contact. Eleven regional analysts are employed full-time; all have extensive background and experience in the cattle industry. Each is responsible for knowing the market conditions in a specific geographic area, as well as knowing the situation nationwide. At any time during the day, and as often as he wishes, a member may call his own regional analyst on a toll-free WATS telephone number.

The analyst is in a position to give the member the most accurate, up-to-date information on all aspects of the cattle industry. To obtain the information, the member must have a subscription to Cattle-Fax. A member analyst will discuss with the member the information available anywhere on market conditions. Members ask questions about a specific situation or problem, in order to obtain the information to make the best possible decision that day: to buy or sell that day, to feed for another week or month, to hedge. The member and his analyst discuss alternatives and ways of maximizing profits and minimizing losses. The role of the Cattle-Fax analyst is to make decisions for its members. The analysts can provide information and suggest alternatives, but each cattleman still knows his own business best.

At the end of each day, the 11 analysts sit down together, compare notes and trends, and piece together what happened that day nationally.

This information is written up into a report which is then put on a teletype service, a cooperative effort with the Commodity News Service. This daily teletype service is offered to Cattle-Fax members, and is utilized by many of the

The Florida Cattlemen / September 1975
Calves that count

In the cow-and-calf business, nothing much happens until your cow has a calf. And nothing much is made in the way of profit unless it's a sturdy, healthy calf that gains fast from birth to weaning and keeps right on gaining on grass or feed.

If you're not satisfied with the calves you're getting, try purebred Santa Gertrudis bulls on your cow herd. Calving problems are rare, even when Santa Gertrudis are bred to 15-month-old heifers. And those calves give you gains that mean money in the bank — often up to 100 lbs. more at weaning than the same cows have ever produced before. See the breeders below for details.
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The Florida Cattleman / September 1975
service available."

The knowledge a member gains from joining and using Cattle-Fax can also be a great asset in his transactions. Because he can always be informed about the current market situation, the cattleman need never guess about prices. Another Cattle-Fax benefit is the ability to travel without concern. Many cattlemen find that their wives, sons or employees can buy and sell cattle while they are out of town, by simply calling Cattle-Fax.

As president of the Texas and Southwestern Cattle Raisers Association and mayor of the town of Richmond, Moore is a busy man. "I probably don’t call Cattle-Fax as often as I should," Moore admitted. "But they call me often to keep in touch and to exchange ideas and information."

Membership in Cattle-Fax is available to any bona-fide cattleman (as authorized under the Capper-Volstead Act.) The subscription cost varies, and is authorized under the Capper-Volstead Act. The knowledge a member gains from joining and using Cattle-Fax can also be a great asset in his transactions. Because he can always be informed about the current market situation, the cattleman need never guess about prices. Another Cattle-Fax benefit is the ability to travel without concern. Many cattlemen find that their wives, sons or employees can buy and sell cattle while they are out of town, by simply calling Cattle-Fax.

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Membership in Cattle-Fax is available to any bona-fide cattleman (as authorized under the Capper-Volstead Act.) The subscription cost varies, and is based on the number of head of cattle produced or fed. In addition, a special membership is available to small feedlot operators and to producers. This service enables them to receive the written reports, but does not include the daily phone contact.

"I use Cattle-Fax to stay on top of the market, to strengthen my own feelings about the market, and to find out when to contract," Moore concluded. "I think Cattle-Fax is a very worthwhile service, and the personnel are outstanding. I particularly like the special service for producers, and I would recommend to any producer that they buy that special service."

Florida phosphate production was up only one percent while the value increased by nine percent in 1973, according to Department of Natural Resources.

The acreage planted in food grains this year is the highest since 1953.
To all my old friends and fellow cattlemen—also my new and future ones:

We have moved to the beautiful hills of Tennessee, Lawrence County, junction of 64 and the Natchez Trace Parkway, in the community of Highland; full of honest, neighborly people.

Thanks Tennessean, for the warm reception.

Old friends, you will always be in my fond memories and you have helped me have faith in you and God. Let’s keep the warm relationship working.

I need your support in establishing and broadening my friendships and services, that are available to all, old and new alike.

If you are asked about my character and credibility, please give me a full and honest report.

My life of 57 years has been spent in agriculture and beef cattle. For the past 25 years with cross-breeds of various kinds and purebred Santa Gertrudis, which I am familiar with and know the bloodlines, that click and produce best for you. I also have unlimited connections with good Santa Gertrudis cattle that are for sale.

I can help you reduce free boarders and poor doing cattle; establishing or renovating poor doing pastures; laying out working corrals (that will take harrassment and manpower out and add efficiency); branding, dehorning, castrating, vaccinating and artificial breeding.

Please call or better yet, come by for a good cup of coffee. We’ll talk it over and work it out.

My services will be reasonable and my opinions honest.

Thanks

Kirby Hancock
Rt. 6, Box 128, Ph. 615/762-8812
Lawrenceburg, Tenn. 38464

Florida’s Cattle Count Up Nine Percent

The Florida Crop and Livestock Reporting Service, Orlando, points out that cattle and calves on Florida farms and ranches on July 1, 1975, were up nine percent from a year ago.

The 3,180,000 head is a record high and is the ninth consecutive yearly increase in numbers. With the new count on July 1, Florida moved from 17th place in total cattle and calves to 16th.

All cows that have calved increased seven percent to 1,638,000 head. Beef cows at 1,440,000 head are up eight percent with milk cows declining one percent to 198,000 head.

The state moved from ninth place in beef cow numbers to 10th, and remained the same with number of milk cows in 15th place in the nation.

Replacement heifer numbers decreased five percent from a year ago, while other heifers over 500 pounds were up 39 percent. Florida’s calf crop for 1975 is expected to total 1,350,000 head, two percent more than in 1974.

In the U.S. all cattle and calves on hand July 1 are estimated at 140.1 million head, one percent above a year earlier and seven percent above July 1, 1973.

All cows and heifers that have calved, at 58.0 million head, are up two percent from a year ago and eight percent above July 1, 1973. Beef cows at 46.9 million, are up three percent from a year earlier while milk cows at 11.1 million are down slightly from July 1, 1974.

All heifers weighing 500 pounds and over totaled 18.9 million head, down one percent from a year ago. Of these, beef replacement heifers were down seven percent while milk replacement heifers were up one percent.

All other heifers over 500 pounds, at 7.6 million head were four percent above a year ago, while steers weighing 500 pounds and over at 17.3 million head were down six percent. These include 2.6 million heifers and 2.2 million steers in feedlots in the 23 major feeding states.

Bulls weighing 500 pounds and over on July 1 were up five percent from 1974. Heifers, steers and bull calves under 500 pounds total 42.8 million head, up two percent from a year ago.

Calves born and to be born during 1975 are expected to total 51.8 million, a record high and an increase of two percent from 1974. The estimate of calves born and to be born includes all calves born alive.

The number of calves born in 1975 that died during January-June 1975 is estimated at 2.7 million, up 35 percent from the 2.0 million that died during this same period in 1974 and 23 percent above the 2.2 million in 1973.

Join your local county cattlemen’s association.
24TH ANNUAL SALE
OF
SANTA GERTRUDIS BULLS
AND
KING RANCH QUARTER HORSES
KING RANCH
KINGSVILLE, TEXAS
SATURDAY, SEPTEMBER 27, 1975, 10 A.M.
Meat Production to Continue Lag; Prices to Stay Relatively High

Retail meat prices have advanced in recent weeks following a period of reduced supplies and rising prices for livestock, USDA reports.

Meat production will continue to lag year-earlier levels for the remainder of 1975, keeping meat prices relatively high. Seasonal increases in meat production from the low spring level will help to limit price increases during the third quarter and may push meat prices lower by fall.

Higher fed cattle prices this past spring and early summer helped to relieve some of the financial problems that cattle feeders experienced during the previous year and a half. However, the cattle industry has not yet fully recovered from the disruptive events of the past two years and some serious problems remain for both feeders and cow-calf producers. Although feeder cattle and cow prices rose some as the fed cattle market strengthened in recent months, they generally remained at the lowest spring level since 1971.

USDA points out that even though slaughter rates during the past year have been large, the mid-year inventory of cattle and calves grew to a new record high, and the 1973 calf crop is the biggest in history. While the buildup in cattle numbers is slowing, the record inventory of cattle points to continued large beef supplies for another year or so. And until feed grain supplies and prices become more stable, the cattle market will probably continue to fluctuate widely.

After 20 years of developing a cattle feeding industry based on relatively cheap feed grains, the doubling and tripling of feeding costs in 1973 and 1974 resulted in painful adjustments for both cattle feeders and cow/calf producers as feedlots reduced cattle feeding activities. Now with prospects for a bumper grain harvest and lower feeding costs, another adjustment period is developing as feedlots begin to gear up again. Some growing pains are likely as the livestock industry begins to adjust to increased availability of feed supplies and lower feed prices.

In its report, USDA pointed out that commercial cattle slaughter of 9.5 million head during April-June was up eight percent from a year ago and was the third largest quarter on record. However, sharp reductions in average slaughter weights slightly reduced beef production. Average weights were low relative to the record heavy cattle a year earlier when fed cattle prices were declining and many cattle backed up in feedlots and became excessively heavy.

Most of the cut in slaughter weights was due to the small proportion of fed cattle in the slaughter mix. Fed cattle marketings in 23 states during April-June were only five million head, down nine percent from the already reduced first quarter level and 20 percent smaller than in the spring of 1974. Fed cattle marketings this past spring fell to the lowest spring level since 1966, and accounted for only about 54 percent of the slaughter supply compared with 73 percent a year earlier.

As cows and nonfed steers and heifers made up a larger proportion of the cattle slaughtered in federally inspected plants, average dressed weights fell from a record 655 pounds in March 1974 to under 610 pounds last fall and winter, then declined to 587 in June this year, the lightest in 10 years. Weights (Continued on page 72).
COWMAN'S SELECTED BEEFMASTER BULL SALE

Friday, October 24th – 12 noon
Bartow, Florida
Polk County Agricultural Center

100 – "U" Classified Beefmaster bulls, 2-4 years of age, individually selected from ranches in the Gulf States.

All bulls are fertility tested – strong – ready for immediate service.

This extremely high quality offering will impress even the most discriminating, sound-thinking cowman.

Sale managed by: Beefmaster Breeders Universal
Auctioneer: Gerald Bowie

For more information and sale catalogs, call or write: Fred Thompson, Executive Secretary, or John Newburn, Director, Field Service.

This heifer... the result of crossbreeding with Beefmasters.

Beefmasters... this is what it's all about.
He’s For Real And Proud Of It

He’s earned the pride and satisfaction that come from knowing his life work has been worthwhile. He knows his ideals, beliefs, and goals have been for real; that his Beefmasters have earned the title, “Real Cattle for Real Cattlemen”.

For 40 years serious Beefmaster breeders have been true to the founding principles of the breed: find, identify, and perpetuate those cattle that excel in the really important beef production areas of fertility, hardiness, milk production, weight, conformation, and disposition. They’ve kept dollars and practical common sense foremost in their planning, bypassing any fads, gimmicks, or short range goals that might be harmful to the breed.

The performance of today’s Beefmasters, the growth in demand, and steady expansion of the breed stand as solid proof to the true value of the cattle and to the wisdom of the breeders.

They’ve earned their new recognition and rewards. Real cattle for real cattlemen. Beefmasters. Their Time Has Come.

Contact: Fred Thompson, Executive Secretary
Suite 720 • G.P.M. South Tower
800 Northwest Loop 410 • San Antonio, Texas 78216
Phone: (512) 341-1277
Beefmaster Sale
Friday, October 10, 1975
1:00 p.m.
Cotulla Auction Market
Cotulla, Texas

Selling 80 lots:
- 45 Beefmaster bulls (performance and fertility tested)
- 35 Beefmaster females (will have calf at side and be bred)

Mr. Jack Dunn, owner
Box 13
Alice Texas 78332
512/664-6409

For more information, contact sales manager:

World Sales Corporation
a subsidiary of
"J" CUSTOM FITTERS, INC.
Rt. 2, Box 232 • Wharton, Texas 77488
713/657-2212 or 713/657-2215 or 713/342-2035
Production (Continued from page 68)
were still on the decline in July, and by mid-month had fallen under 570 pounds.

With a large grain harvest this year, a substantial movement of feeders into feedlots seems likely, USDA points out. Feedlots have the capacity, feeder cattle are available, feed could be plentiful, and feed costs more favorable than they have been for some time—most of the ingredients for expansion and cattle feeding could be profitable. Limited sources of feedlot investment capital may hold back some expansion. If feed prices move substantially lower or if fed cattle prices hold up, feeder cattle prices could fall back some during August and September, but then strengthen again later in the fall.

Price differentials between fed cattle and feeder cattle would narrow. Lower feeding costs could bolster the demand for lightweight feeder cattle and more of these cattle could be placed on feed, stretching out feeding periods again. This would help prevent a surge in fed cattle marketings in early 1976, USDA says.

The Index of Prices Received by Farmers was up during the month ending June 15. This two percent increase made the third straight month the Index has increased.
FLORIDA’S TOP SPECIAL SALE

POLK COUNTY CATTLEMEN’S ASS’N Calf Sale

FRIDAY, SEPTEMBER 26, 1 PM

CATTLEMEN’S LIVESTOCK MARKET
LAKELAND, FLORIDA

A good selection of quality crossbred replacement heifers

RECORD PROVEN TOP SALE

3 Year Averages
Average No. Head Sold—1750  Average Consignor Gross—$285,000

This sale consistently nets consignors more than regular auction sales during the same period.

—$50 GIFT CERTIFICATE—

The Polk County Cattlemen’s Association will present a $50 gift certificate to the consignor selling a group of 5 or more head which bring the highest average price per pound in each of the following:

Group of 5 or more head weighing 250-349 lbs.
Group of 5 or more head weighing 350-500 lbs.
Group of 5 or more head weighing 501-600 lbs.
Group of 5 or more head weighing more than 600 lbs.

"ALL CATTLEMEN WELCOME — BRING 1 OR A TRUCKLOAD, CALVES AND YEARLINGS OF ANY CLASS, SEX AND WEIGHT WELCOMED"

For Further Information Contact:

Leo Charnes, President  A. Bellotto, Lakeland
Ph: 813/688-2918  Ph: 813/682-4161 or 689-9935
Sid Sumner, Bartow  Harry McCollum, Bill Hamilton, Lakeland
Ph: 813/533-0765  Ph: 813/682-0117
Solar Energy Will Help Beat High Fuel Bills

Soaring utility bills—coupled with a general concern over the future direction of the energy crisis—are fueling a boom in the solar energy business, particularly in Florida where there’s plenty of free sunshine.

Those who have already tapped the sun’s energy to heat their homes and water report saving as much as 40 percent on annual utility bills. Much greater savings should be possible in the near future as new solar equipment becomes available.

By 1985, says a University of Florida solar energy researcher, most new homes built in the state will be cooled and heated by the sun. Conventional electric sources will be used as a back-up for use during peak demands and long periods of inclement weather.

“When half of your utility bill is for heating or cooling, it’s comforting to know we might be able to eventually kiss that imported fuel (and its political uncertainties) good-bye and rely on the sun for much of our energy,” says Dr. C. Direlle Baird, assistant professor with the UF’s Institute of Food and Agricultural Sciences (IFAS).

Baird, an agricultural engineer, is coordinating several IFAS solar energy research projects at various locations around the state to reduce agriculture’s reliance on conventional fuels, especially for crop drying and heating and cooling greenhouses as well as other agricultural structures.

Solar energy was successfully harnessed in the 1930’s when thousands of rooftop water heaters were installed on homes in Florida, but further development was stopped only because cheap electricity and natural gas became available, he said.

With the onset of the energy crisis, homeowners and others are again turning to the solar water heater as the first practical step toward reducing dependence on electricity or natural gas. These units, usually available in 40, 80 or 100 gallon capacities, currently range in price from $600 to $1100. In some cases, this cost can be cut in half if a person is willing to build and install his own system, Baird explained.

Based on current utility rates and savings possible by heating water with solar energy, the commercially available system should pay for itself in about four years, he explained. Thereafter, you’ve got free hot water!

More than a dozen Florida firms are now in the solar energy business. Substantial cost reductions will come as soon as mass production starts. Lower costs and greater efficiency in solar collectors will encourage more usage.

Baird said the typical solar water heater consists of a solar heat collector (usually mounted on the roof), a well insulated hot water storage tank, a circulation system, and an optional electric booster as a back-up heat source.

“Flat plate solar heat collectors are the most practical for heating water because they are the cheapest to make, and they produce temperatures high enough for domestic hot water—up to 180 degrees,” he explained.

The researcher said the typical flat plate collector consists of a blackened metal plate that absorbs heat and transfers it to the water by means of tubes or channels in the plate. The plate is housed in a box covered with a transparent material and insulated on the bottom to reduce heat loss.

The efficiency of a properly constructed flat plate collector is 50 percent or more. The efficiency of an improperly constructed collector may be half of this or even less. Even on overcast days, the black panels absorb a significant amount of heat and minimize the need for very large storage tanks.

Home heating is the next logical step in the solar energy conversion process, he said. In such an installation, hot water is run through a system of pipes—called heat exchangers—which distribute heat throughout the house.

“If the cost of conventional heating energy continues to increase and the cost of installing a solar system goes down, chances are it will not be long before it will be practical to have 100 percent solar heating in many areas of the country,” Baird stated.

At present, most systems are capable of providing from 50 to 75 percent of heat required, depending on the amount of solar radiation, cloud cover and fuel costs in an area. A stand-by or auxiliary heater is desired to provide additional heat during peak demands in order to reduce the size and initial cost of the solar system.

The real problem in Florida is not heating, but cooling. Future solar powered air conditioning systems will be similar to present gas powered refrigerators and air conditioners. In such a solar powered cooling system, heat produced by the sun would replace the gas flame. Therefore, he explained, a solar heating system could be converted to a solar cooling system by adding an air conditioner that uses hot water as a source of heat.

To prove the feasibility of this type of cooling system, IFAS researchers plan to modify an existing commercial gas powered air conditioning system, changing the heat source from gas to the sun. Hopefully, Baird concluded, a demonstration unit will be in operation by the summer of 1976.

The U.S. pig crop from December 1974 through May 1975 was down 22 percent from a year ago. At 35.3 million the pig crop is the lowest since 1935.

The Florida Cattlemen / September 1975
Breed selection tests have led us to select our replacement heifers predominately from Simmental cross-bred heifers."

So reports C & B Livestock of Hermiston, Oregon in a booklet printed for their June, 1975 field day. This large commercial cattle operation has kept detailed performance data on their cattle from birth to carcass to determine which parent breeds should be combined to produce the highest total dollar return. A few of their summaries are shown below for you to make your own conclusions. Only space prevents us from printing all of their summaries which were favorable to Simmental in all traits.

FOR PERFORMANCE TESTED BULLS FROM PROGENY TESTED SIRES AND DAMS, CONTACT FLORIDA SIMMENTAL BREEDERS. REMEMBER, EVEN HIGH INDEXING 1/2 AND 3/4 SIMMENTAL BULLS ARE IMPROVERS.

COME TO OUR SATURDAY, NOVEMBER 22 FIELD DAY AT SIMMENTAL ENTERPRISES OCALA, FLORIDA, TO SEE PUREBRED AND PERCENTAGE BULLS, COWS AND CALVES. A SIMMENTAL STEER WILL BE PRESENTED TO THE FFA OR 4-H MEMBER HIGH INDIVIDUAL IN THE JUDGING CONTEST.

This ad courtesy of the FLORIDA SIMMENTAL ASSOCIATION:

JAMES HARPER, PRES.  PAT CORRIGAN, V. PRES.  L.E. CUNNINGHAM, SEC.,TRES.

and the following breeders:

Simmental Enterprises
James & Sherrie Harper
4423 S.W. College Rd.
Ocala, Fla. 32670
904/237-2587

Millercrest Farms
Spence & Peggy Miller
P.O. Box 519
Bronson, Fla. 32621
904/486-2797 or 486-2966

Sky High Ranch
Dick & Pat Roberts
Star Rt. 3, SR 486
Lecanto, Fla. 32661
904/748-3500

Post Oak Ranch
L.E. "Book" Cunningham
Rt. 1, Homosassa, Fla. 32646
904/705-2005

H. F. Barger
Rt. 4, Box 291
Ocala, Fla. 32670
904/622-7460

Chandelle Farm
Bob & Shirley Davenport
Rt. 1, Box 213-B
Reddick, Fla. 32686
904/591-1156

Corrigan Ranch
Pat Corrigan
P.O. Box 3130 Beach Station
Vero Beach, Fla.
305/567-7141 or 567-2442

Clifford & Mary Hissem
3609 N.W., 136th St.
Gainesville, Fla. 32601
904/372-0198

Glenwood Farm
Mr. & Mrs. G.W. Hart
477 Grand Ave.
Glenwood, Fla. 32722
904/724-5385

M. J. Ranch
Travis Murphy
Rt. 1, Box 771
Ft. Pierce, Fla. 33450
305/464-5082

The Florida Cattlemans / September 1975
Simmental Data On Performance Increased

The midyear supplement to the 1975 National Simmental Sire Summary reports performance data from 251,790 Simmentals, a 26 percent increase over the 199,732 which comprise the report issued just six months ago.

The number of sires on which comparative performance data is reported increased even more. The supplement provides expected progeny differences for 335 Simmental bulls, up 60 percent over the 209 qualified for the National Simmental Sire Summary issued in January, 1975. Totally, performance records from progeny of 853 Simmental sires have been processed.

Animals on which carcass data was reported jumped 40 percent stimulated by the fact that American Simmental Association pays for each USDA carcass yield and quality report it receives from members.

ASA, which requires performance data on all animals it registers, is mailing the supplement to its nearly 8,000 members in early July. The computerized report is free to members; others may purchase it at $2 for the Supplement or $5 for both the Supplement and the 1975 National Simmental Sire Summary, issued in January, 1975.

In 1972, ASA became the first American breed organization to issue performance reports on all sires used within a breed. Each annual Sire Summary, and midyear Supplement, is cumulative. The current issue has data on all Simmentals registered from January 1, 1969, through May 11, 1975.

Don Vaniman, ASA executive secretary, said the supplement is based on performance data submitted by 7,152 members and 11,882 non-members. The only progeny records included are those where two or more Simmental bulls, one of which was a “Reference Sire,” were used in a single herd. The new supplement reports such within-herd testing from 10,510 farms and ranches across the U.S. and Canada.

The National Simmental Sire Summary and its supplement are keystones in American Simmental’s breed improvement program. ASA requires that all purebred bulls be indexed, not just a select few. In 1974 and 1975, ASA was named “Organization of the Year” by the Beef Improvement Federation. Another meaningful statistic is gestation length; averages for sires in the Supplement vary from 281.6 days to 287.8 days.

In weaning weight, 205-day adjusted, Simmental bull calves averaged 504.8 pounds and heifers averaged 478.6 pounds. By individual sire, weaning averages ranged from 450 to 523 pounds.

“Yearling weights showed dramatic differences,” Vaniman said. “Progeny of the top bull is 100 pounds heavier than average, while the lowest bull subtracted 60 pounds from the average. This is 150 pounds difference in average yearling weights, a trait which is highly heritable and which, therefore, can be improved quickly through selection. Specifically, progeny of different sires averaged from 864.2 pounds to 1024 pounds in this important criterion.”

Vaniman also pointed out that little variation is seen in carcass cutability, apparently due to generations of carcass selections in Europe. Average cutability, the percentage of marketable red meat in carcass, range from 50.89 percent to 52.19 percent, according to the supplement.

ASA does not include an individual sire in the summary or supplement until records of at least 20 performance-tested progeny have been submitted, from two or more herds in which they are compared against progeny of a Reference Sire.

Vaniman also noted that the number of reference sires had increased from 37 in January, to 42 in the new supplement. Reference sires are those which have had weaning weight data reported from more than 500 progeny in 10 or more herds.

“Increased numbers are tremendously important. Accuracy of the trait ratios increases with the number of progeny,” Vaniman said. He suggested Simmental breeders use each of the 13 Trait Ratio Tables to decide whether or not to use a specific bull and the accuracy figures to determine how heavily to use him.

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SIRE SUMMARY SUPPLEMENT

<table>
<thead>
<tr>
<th>1975 National Simmental Sire Summary (1/1/75)</th>
<th>Supplement to Nat’l Sim’Sire Summary (7/1/75)</th>
<th>% Increase in 6 months</th>
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<tr>
<td>Head passing preliminary edits</td>
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<td>Head w/calving data</td>
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<td>Head w/carcass data</td>
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<td>988</td>
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<td>Head w/Sire’s Daughter’s 1st Calf Data</td>
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<td>Total No. sires processed</td>
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<td>Sires qualified for Summary (20 progeny or more)</td>
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<td>335</td>
</tr>
<tr>
<td>Reference Sires</td>
<td>37</td>
<td>42</td>
</tr>
</tbody>
</table>

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SIMMENTAL CROSSBRED steers were exhibited at shows in Florida this past season with this grand champion steer at the Bartow Youth Show shown by Keith LeTellier of Kathleen at the halter. Rick Williams of RW Bar Custom Fitters is at left.
Simmental

1/2 & 3/4 Breeding Age

BULLS FOR SALE

A bull of our breeding

BULL SALE JANUARY 6, 1976

Put these profit producers in your herd

Check these advantages:

MORE MUSCLING
MORE BONE

GOOD-DISPOSITION
FERTILITY

MILKING ABILITY
MORE SIZE

These essential economic characteristics are the rule, not the exception with Corrigan bred Simmentals.

Headquarters for Performance Tested

SIMMENTAL BULLS  HEREFORD BULLS

Also breeding age Chianina and Charolais bulls for sale

CORRIGAN RANCH

J. Pat Corrigan, owner
P. O. Box 3130, Vero Beach, Florida 32960
305/567-7141 (Off.) • 305/567-2442 (Res.)
CALVES with weights at 700 pounds when weaned are planned under the breeding program at Simmental Enterprises, Ocala.

**Harpers Have Definite Goals**

James and Sherrie Harper, owners of Simmental Enterprises at Ocala, have definite goals in their breeding program for Simmental.

They are working to produce an 1100-1200 pound cow that will calve unassisted, wean a 700 pound calf, and breed back within 90 days. She should calve on her second birthday and on or before her birthday every year thereafter. All of these things will be achieved within a management program that is economically feasible for commercial cattlemen. Presently the Harpers are creep feeding their calves some, until they can get their forage program established.

Harpers is now marketing 3/4 Simmental bulls primarily to commercial cattlemen and retaining the females for his own herd.

The Harpers feel the best application now for Simmental in a commercial operation is to use Simmental blooded bulls and save the female calves for the brood herd. They feel the Simmental is a superior mother breed that will increase milk production, fertility, mothering ability, and carcass traits in commercial herds.

The Harpers predict that soon commercial cattlemen will have to produce calves that weigh 700 pounds at weaning time and have sufficient finish to go directly to slaughter or be short fed to Choice. They feel this is currently possible with top management and the mother cow being a high percent Simmental.

Harpers expects the Simmental breed to continue improving due to a progressive breed association. The American Simmental Association, made up of practical cattlemen, requires that all animals raised and registered in the U.S. must be performance tested, according to Harper.

Harpers is currently serving as president of the Florida Simmental Association.
Pilot Promotion Program for Beef Planned

A beef promotion program with the slogan “Florida’s Best Beef Buy,” is slated to get underway soon with the pilot program beginning in the Tallahassee area.

The promotion-beef education program is a joint effort of the Florida Cattlemen’s Association, Florida Beef Council, and Florida CowBelles in cooperation with the division of marketing, Florida Department of Agriculture and Consumer Services.

The program is a comprehensive information and education plan to merchandise Florida raised beef throughout the year in the state. The initial effort will kick off in a number of stores in Tallahassee from September 21 to October 4. The plan will involve the rancher, wholesaler, retailer and consumer.

Spokesmen for the Department of Agriculture say that through recipes and cooking suggestions, “we can prove to the consumer that short-fed beef indeed does have a place on the daily menu economically and deliciously.”

FCA officials, along with Beef Council and CowBelle representatives, met with FDA agents at FCA headquarters in Kissimmee July 28 to discuss the plan. Dr. A.Z. Palmer, meats scientist at the University of Florida, Gainesville, also attended, along with Charlie Jenkins, Lakeland, vice chairman of FCA’s marketing committee.

The plan was devised to help market the abundance of calves in Florida which are not moving on the market and which are costly to hold until the market price is right. The price of meat, it was noted, was another factor warranting the expansion of the baby beef or shortfed market. All agreed that by offering lower price calves as baby beef, the consumer can continue to buy meat which is considered a staple food, but which has recently lost its prestige position because of high prices. It was the consensus that the public needs to be kept informed and educated on the beef meat industry through repetition in a promotion program that would be flexible with the market situation year-round.

Objectives as recommended by the marketing specialists were:

1) To convince the slaughter houses, wholesalers and their customers—restaurants, cafes, and institutions—that an acceptance for baby beef can be nurtured through an information education program for the consumer.

2) To convince the consumer that baby beef although the taste may differ from Choice and Good beef, can be deliciously prepared and does indeed contain all the protein found in so-called better grades of meat.

3) To convince the consumer that...
Breeding

Simmentals

...with a tropical touch

Building a Simmental herd based on performance from some of the top performing Simmental bulls of the breed and out of selected Duda Brahman cross cows.

A few percentage females for sale

A. Duda & Sons, Inc.

DS COCOA, FLORIDA DS

Office Phone: 305/636-3966

Jimmy Philman, Exotic Cattle Residence 305/631-1646

Member: Florida Simmental Association

Beef meat can still be a staple food on the American table by informing and educating on how and when to buy cuts of meats that fit the budget and cuts of meat that are reasonably priced according to the supply and demand situation.

4) And to offer the aggregate social-status consumers a choice of meat in accordance with their means, taste and need.

It was pointed out at the meeting that a recent A.C. Neilsen survey of food shoppers indicated the consumer is looking for less expensive cuts of meat to help stretch the food dollar. The report showed that 32 percent of the shoppers interviewed were shopping in a different store currently than they did a year ago because of lower meat prices. The survey indicated that meat has become such a major part of the diet that it is the key target for saving money through selective shopping.

It was pointed out that the survey would indicate an opportunity exists for marketing beef in a form less expensive than grain-fed beef, and which Florida has in its production pipeline.

Using various materials, and possibly television and radio, the promotional program will be aimed at bringing a fair return to the producer yet provide an economical source of meat for consumer. The primary audience of this promotional effort is the final consumer who is interested in price, taste, nutrition and ease of preparation. The secondary audience is the retailer, the home economist and the media. The home economist is interested in recommending a commodity that is relatively inexpensive, easy to prepare and nutritionally adequate. The media is interested in reporting on a commodity that will be of interest to its audience from a standpoint of greater economy and of availability.

The subject of grade standards for baby beef came under discussion, and Palmer informed the group that this was being researched through palatability and other tests and that a statistical analysis of all such data would be ready possibly in early September.

Palmer outlined that there would probably be no distinction made between steer, heifer and bull carcasses since all will be from very young animals. It appeared that two grades would be sufficient, he said, with most good calves right off the cow making the lower grade. Creep-fed on the cow, short-feds and older fed on grass types of calves will have some appreciable percent making the higher grade. Baby beef carcasses should weigh at least 200 pounds and up to no more than 450 pounds, he said.

He pointed out there were no firm grade names at yet, but for the purposes of the research, the terms “Florida Supreme” and “Florida Superior” were used.

Join your local county cattlemen’s association.

The Florida Cattlemen / September 1975
Your Local Livestock Auction Market Will Help You Sell Your Calves

This is prime marketing time in Florida and there is a market existing for veal, baby beef, grassfeds and those larger calves that will be ready to go into the feedlot.

Auction markets in Florida have been getting strong buying power each sale day from both in and out-of-state. Bring your load to your local market next time—the bidding is on the competitive basis and you just might get a few dollars more than if you sold direct.

From July 1974 to July 1975, your auction markets handled 684,366 head of cattle and calves with a cash value of $72,508,000.

The Auction Market Way is the Best Way!

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

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

Kissimmee Livestock Market
Auctions Every Wednesday
Kenneth Caldwell, Mgr. Ph. 305/847-3521 KISSIMMEE, 32741

Columbia Livestock Market *
Hog Auctions Every Monday
Cattle Auctions Every Thursday
H. Tom Willis, Mgr. Ph. 904/752-1874
LAKE CITY, 32055

Cattlemen’s Livestock Markets *
Monday & Sales Tuesday
Mgrs. Harry McCollum, Bill Hamilton
Tampa 813/626-5164 & Lakeland 813/682-0117
TAMPA, 33609 and LAKELAND, 33802

Clyde Crutchfield, Mgr. Buddy Williams
Ph. 904/263-3224
GRAVEVILLE, 32440

Monticello Livestock Market *
Auctions Every Monday
W. C. Hawkins, Mgr. Ph. 904/397-5711
MONTICELLO, 32344

Madison County Farmers Market
Auctions Every Monday
Lamar Hall Ph. 904/793-2021
WEBSTER, 33597

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

*—Indicates Subscriber to Competitive Livestock Marketing Association

Florida ASSOCIATION OF LIVESTOCK MARKETS
Livestock Exchange Building, Kissimmee, Florida 32741

For Further Information about Florida Livestock Auction Markets, Contact

The Florida Cattleman / September 1975
Self-government System Has Worked for Almost 200 Years

EDITOR'S NOTE: The following is an address by Secretary of Agriculture Earl L. Butz before the Western Illinois University Commencement, Macomb, Illinois, May 31, 1975.

Ours is an experiment in self-government that has worked superbly for almost 200 years. We have a government meant to serve its citizens rather than to subjugate them. This will remain true as long as we believe in it and work to keep it that way.

But today there are some ominous signs. Our government is getting progressively more centralized and more rigid. We are piling regulations on top of laws. The number of federal programs and agencies grows every year.

It took us over 180 years to reach our first $100 billion Federal budget. Nine years later in 1971 it hit the $200 billion mark. This year it will top the $300 billion level, and within three more years it will exceed $400 billion.

Instead of a lean, flexible government as envisioned by our forefathers, we are developing a ponderous giant. Paradoxically, we seem to be believing in it less and relying on it more. Our system of governing is developing a severe case of middle age spread. Next comes shortness of breath and arteriosclerosis, to be followed by an eventual stroke and debility.

This is a serious trend and you, as young people, should be aware of it and be prepared to work and fight to reverse it. There is a good bit of disenchantment with politics these days, but only by getting involved in the political system can you influence it. The government of the United States still belongs to "We the People." Its framework is the most flexible and adaptive in the world. But each of us must take part in it—unless we do it will go astray.

I'm not so sure that Jefferson, Washington, Lincoln or other past American leaders would be too happy with the way we are presently managing their legacy. Our good intentions seem to be leading us into the same sort of trap that stifles most maturing governments. In our will to help people less fortunate than ourselves we set up agencies and programs designed to that end. Soon we get an unwieldy government of too much size and not enough productivity. A government of too much structure and not enough substance; one of too many taxes and not enough return; one of too many wishes and not enough thought.

A serious look back to the original documents of this country can help guide us away from that sort of quagmire. Most of us have too many taxes and not enough return; one of too superficial knowledge of the Declaration of Independence and the Constitution, but few of us take the effort to periodically refresh ourselves with the crucial ideas they contain. It's easier to stand around and rashly discuss "politics" than to sit down and actually study the art of governing. Yet the latter is precisely what is now needed.

The most familiar parts of the Declaration of Independence are the beginning and the ending. We too often forget the middle part where the complaints leading to the American Revolution are methodically listed. Re-reading them can be worthwhile. The complaints against the government of King George III have a familiar ring.

"For imposing taxes on us without our Consent," is the most familiar, and it is one being echoed today.

Our tax structure gets weightier and more abstruse with every passing amendment or new federal program. There are Social Security taxes, hidden taxes, and taxes for transfer payments that rise each year in spite of the wishes of many of us as individuals. Events seem out of control.

But if we stop to investigate our taxes and our government programs we find that every one of them arises not from the misled intentions of some hidden political leader, but from the legislative efforts of "We the People," as individuals and as groups of individuals. In America, people who partake in government control government. That is our system.

Yet there is an increasingly predominant belief that our government is somehow something separate from ourselves as people. Nothing could be further from the truth. All you have to do to disprove this contention is to check recent legislation and see the amount of influence that environmental and consumer groups are now having in law-making.

Yet because of the schizophrenic attitude of thinking of our government as one entity, and ourselves as people as another, some individuals feel this makes it right to take advantage of the government whenever they can. They think of "Government money," or "Federal money" as something different from the dollars and quarters each of us saves or spends on aftershave lotion or lipstick.

Each of us carries a little bit of guilt in this respect. Too often the first thing that any city councilman, any farmer, or any businessman does when he wishes to undertake a new investment is to check and see if there is any "Federal money" available for it. If so, this draws money from the public till.

We close our eyes and take money so, this draws money from the public till.

We close our eyes and take money from our right hand and put it in our left, somehow figuring that in doing so we have doubled the amount of money we actually have.

I recently read of some college stu-
dents going through school on government loans, graduating, and then declaring bankruptcy to negate their debts, even while other students were protesting the lack of funds for higher education.

This sort of financial hypocrisy must end—and, again, we all share a little of the guilt.

There are building projects, farm ponds, business enterprises, and thoroughfares all over this country which would not have been built had it not been for the stimulus of easily available “Federal money” to help finance them.

To a certain degree such economic stimulus is good. It helps insure the sort of capital growth that our nation needs. But when taken to extremes—as we now seem to be doing—such fiscal extravagance is costly, both in dollars and in human welfare.

It is too easy to overlook or ignore the fact that “Federal money” is not free. It’s no different from the five dollar bills we each carry in our wallets. It is, in fact, the very same money. Our individual wallets are where “Federal money” comes from. If we think anything else, then we are fooling ourselves.

It’s true the federal government has the power to fund public projects by deficit financing, then at a later date print new money to take care of the expenses. That’s the sort of economic stimulus that’s being used right now to help create jobs and get things rolling.

But this sort of economic maneuvering is tricky and has limited applicability. It can too easily backfire in a round of rampant inflation that erodes the value of every dollar already in existence. When that happens it’s the poor, the sick, and the elderly who get hit the quickest and the hardest.

We have to realize as a nation, and as individuals, that if we are going to want the benefits of government spending, then we are going to have to pay for them. If we want a new federal program to support housing, or to build a new flood control project, it will eventually have to be paid for out of our own pockets. If we want to increase our public spending, then we are going to have to increase our tax load accordingly.

The worst approach of all is to automatically say, “Sure,” to any spending scheme that comes along—thinking that “Federal money” will pay for it. Instead, get out your billfold and weigh the costs of every spending proposal against the potential benefits. Figure up how much of the expense will have to come out of your own hip pocket.

It is past time to stop avoiding the unpleasant fact of fiscal responsibility. If we as individuals decide that a particular proposal will cost more than we are willing to pay for it, then we shouldn’t let our Representatives and Senators vote for it. It’s time to stop worrying about the other guy’s pork.
Help promote National Hunting and Fishing Day by using the official NHF Day stickers on your mail, packages, etc. One thousand of the bright, colorfast stickers are only $4.00 ppd. from NHF Day Headquarters, 1075 Post Road, Riverside, Conn. 06878.

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Ag Committee Gives Approval to BDT Bill

Enabling legislation which would give American cattlemen the chance to establish a national uniform collection plan for beef market development, has been approved by the House Agriculture Committee.

While picking up an amendment regarding the conduct of the producer referendum necessary to put the Act into effect, the Beef Research and Information Act (HR 7656) came through the committee debate basically unchanged.

"We have a long way to go before the beef market development plan is actually set up and working," said O.J. Barron, Jr., chairman of the Beef Development Taskforce (BDT) the bill’s sponsor, "but each step is a milestone for the industry, and we are extremely pleased with this latest progress."

Barron said that while earlier scheduling is possible, it does not appear likely that the bill can be heard on the floor of the House until after the August recess.

"We’re working closely with the agricultural leadership in the House and have been assured that our legislation will be placed as high on the calendar as possible," he said.

The amendment to the bill approved by the Committee will require producers to pre-register 10 days prior to voting in the referendum, a 50 percent turnout of registered voters, and a two-thirds majority for approval.

The issue of consumer representation on the beef board which would administer the program, did not come before the committee. Representative Frederick W. Richmond (D.—N.Y.) was not present in time to offer his amendment calling for 50 percent consumer representation on the board. However, amid considerable parliamentary confusion it was reported the committee agreed to consider his amendment later.

Barron said that if the committee does not give Richmond’s proposal favorable attention, he is expected to push the issue again when the bill reaches the House floor.

Once approved by Congress and producers, the plan will raise $30 to $40 million annually for promotion and research programs. The bill’s value-added method of collection allows each owner at every stage of production and marketing to participate in proportion to the value of his cattle.

Australia exported 106,000 tons of beef to Japan last year, and is expecting to boost that total to 125,000 tons this year. Australian beef was selling at $1.69 to $1.98 per pound retail in Japan last November, but U.S. beef was going from $2.92 to $6.49 per pound, according to USDA.

The Florida Cattleman / September 1975
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SCHEDULE OF EVENTS

Friday, October 3rd
1:30 p.m. Field Day
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Saturday, October 4
7:30 a.m. Pancake Breakfast
at Sale Site
11:30 a.m. Pre-Sale Lunch
1:00 to 2:00 p.m. Inspection Seminar
2:00 p.m. "Yellow Rose of Texas" Sale
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Beefalo Event Draws Large Crowd To Yulee

An estimated crowd of nearly 1000 turned out for the first Beefalo field day ever held in Florida. The event took place July 12, at White Oak Plantation, Yulee.

The field day was hosted by the Gilman brothers, owners of White Oak Plantation and Gilman Paper Company, in cooperation with the Nassau County Cattlemen's Association.

The program included an exhibit of Beefalo cattle, a program discussion about the new breed, a beef barbecue, an exhibition of the Thoroughbred hunters and jumpers in action at the farm, and a slide and movie presentation about Beefalo.

Speakers included Ken Woehrle, manager of White Oak Plantation; Phil Miller, president of Beefalo East, Tazewell, Virginia; B.A. Rucker, general manager of Beefalo East; and Dr. Tony Cunha, chairman of the animal science department at the University of Florida.

Rucker emphasized the easy calving and hardiness of the Beefalo. "We've been breeding 600 pound heifers to Beefalo and they calve by themselves," he said, pointing out that average birth weights for Beefalo calves run from 45 to 55 pounds.

On performance, Rucker said he realized the breed needed improvement on performance but that time has not yet permitted work in that area.

He said the breed was hardy and resistant to disease. "I've seen half blood Beefalo calves nursing Holstein cows and the Holsteins were full of pink eye, but not one Beefalo calf got it," he said.

Rucker said mature Beefalo bulls weighed an average of 2000 to 2100 pounds with cows ranging from 1250 to 1300 pounds. He said they just need a chance to compete with other breeds.

Miller said the public is ready for Beefalo, but there is not sufficient numbers of the breed to market Beefalo meat.

Woehrle said that White Oak Plantation plans to breed up to purebred Beefalo, using purebred Charolais cows as a foundation.

Pointing out that Thoroughbreds were the main business of the plantation, Woehrle invited the guests to inspect their foals, especially the first foal of Secretariat born in Florida.

The next scheduled Beefalo event will be a fall sale on September 22 at Tazewell, Virginia. The offering will include 150 head of percentage Beefalo cattle.

The forecast for Florida corn production this year is 18.63 million bushels, two percent less than last year due primarily to an expected yield reduction of two bushels per acre.

The Florida Cattlemans / September 1975
BEEFAULO EAST, INC.

First Annual Fall BEEFAULO Sale
First Beefalo Sale Held East of Mississippi River

SELLING 150 HEAD

3—1/2 blood with 3/4 calf at side and rebred
4—1/2 blood with 1/2 blood calf at side
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MONDAY, SEPTEMBER 22, 1975
10:30 a.m.

At Beefalo East Headquarters, Tazewell, Virginia

GET-TOGETHER...
Beefalo Get-Together Sunday evening
September 21, 1975 beginning at 7 p.m.
at sale headquarters. BEEFAULO
steamship round to be served

FOR INFORMATION CONTACT:
The Farm
B. A. Rucker, Jr., General Manager
BEEFAULO EAST, Inc.
Route 1, Tazewell, Virginia 24651 * 703/988-3808, 988-6088

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St. Johns Group
Re-elects Nease

Allen D. Nease, timber grower, school board chairman and cattleman, has been re-elected president of the St. Johns County Livestock Association, Inc.

Nease was re-elected along with all other officers of the organization during a meeting that also set October 18 as the date for the 17th annual "Cracker Day."

The slate of officers for the association includes Steve Simmons, vice president; Richard Pacetti, secretary; Swanson B. Lockhart, treasurer; Herschel Parrish, state director; Alber Triay, alternate state director, and Leo Kight and R.M. Williams, Jr., directors.

The Florida Cattlemans / September 1975

FCA Sends Letters to Ford

Two letters have been sent to President Gerald A. Ford over the signature of FCA President Gilbert Tucker, Cocoa, in recent weeks commenting on current actions.

On the wheat sales to the Soviet Union and other world powers, it was pointed out that these countries should also be asked to buy livestock and meat products which we have in surplus supply in the U.S.

Tucker said in his letter that it was the opinion of FCA that "we can strengthen our world power position and detente with other world power countries by asking them to purchase beef and other surplus agricultural commodities when they purchase grain. This will allow us to maintain our aggressive production efficiency which can retain our honor position as the number one country in the world."

The other letter urged Ford to keep a constant vigil to see that the beef import quota is not exceeded in 1975. The tonnage of frozen beef entering Florida ports from Australia and New Zealand is in direct competition with Florida beef and the type of beef that needs to be slaughtered in order to reduce cow numbers.

It was pointed out that FCA, the Florida Department of Agriculture, the University of Florida and Florida retailers, are doing everything within their power to increase the market for baby beef and grassfed Good beef, but help from the Administration was needed, too.

House Gets Marketing Reform Legislation; Aim is to Modernize

The Livestock Marketing Reform Act of 1975, aimed at completely modernizing the livestock industry's marketing laws, has been introduced in the U.S. House of Representatives by Congressman David R. Bowen of Mississippi, a member of the House Agriculture Committee.

The new bill (H.R. 9034), introduced July 30, is identical to companion legislation introduced in the Senate in June (S. 2034).

"Congressman Bowen's interest and action makes it possible for our proposals for overall reform in marketing legislation—as opposed to efforts to patch up existing legislation with piecemeal amendments—to be fully aired by both bodies of Congress," said Mack Yenzer, chairman of the Livestock Laws Reform Commission, the industry group which has developed the Act.

"We look forward to the additional Congressional and industry thought on updating marketing legislation which introduction of the Commission's bill in the House will generate," he said.

The legislation is part of a total federal, state and industry reform drive developed over the past three years by the Livestock Laws Reform Commission. One of the bill's key features provides for the establishment of a three-man commission, independent of the Department of Agriculture, to administer and enforce the Act, primarily through the federal courts.

Another major element of the bill is a provision for settlement of all sales transactions between businesses subject to the Act and any livestock owner not subject to the Act, in "secured funds"—secured funds being defined in the bill as "collectable funds on deposit, letter of credit or stated line of credit with any bank where deposits are insured under the Federal Deposit Insurance Act. Businesses subject to the Act include livestock markets, dealers and brokers.

Other features of the Act establish heavy penalties against fraudulent and illegal marketing transactions, set forth and maintain business practices and standards based upon free and open competitive enterprise, and establish stringent requirements for financial responsibility for those subject to the Act.

The Senate version of the Act, together with other legislative proposals for amending the Packers and Stockyards Act, was the subject of hearings in Omaha and Washington recently.

The Reform Act is receiving the full support of two major marketing trade groups—Competitive Livestock Marketing Association and the National Livestock Dealers Association.

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Nebraskan Heads Livestock Institute

Robert S. Phillipson, president of Nebraska Livestock Markets, Inc., Franklin, Nebraska, has been elected chairman of Livestock Merchandising Institute.

Phillipson is one of the founders of the Institute organized in 1969 to advance the concept of merchandising in the livestock industry. The organization is comprised of trustees representing the various business elements of the livestock economy.

The new chairman has long been active in livestock industry activities at the state, regional and national levels and served as president of the Competitive Marketing Association in 1972.

Phillipson succeeds J. D. Sartwelle, president of Port City Stockyards, Houston, Texas, as chairman. Sartwelle now serves ex-officio on the Institute's board of governors.

George P. Martin, vice president of Bache & Company, Chicago, was elected first vice chairman, while J. D. Branscome, president of the Grenada Livestock Exchange, Grenada, Mississippi, was elected second vice chairman. Branscome is currently president of Competitive Livestock Marketing Association.

ABOUT CURTISS

Curtiss Breeding Service—a Division of Searle Agriculture Inc.—has been a leader in the A.I. industry since 1949.

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Phone: 904/796-3385
Beef Promotion Program to Get Underway

PRESIDENT' BY-LINES

Wake up, CowBelles—lazy days of summer are over!! September is to be a busy Beef Promotion-Beef Education month. An excerpt from a letter by Clarence Bizet, merchandising specialist of the Florida Bureau of Market Expansion-Promotion, Tallahassee, explains the plan being undertaken.

“A comprehensive information and education plan to merchandise Florida raised beef throughout the year in Florida will be tested by the Florida Cattlemen's Association and the Florida Department of Agriculture and Consumer Services in Tallahassee from September 21 to October 4. The pilot program’s slogan is “Florida’s Best Beef Buy”. The plan will involve the rancher, wholesaler, retailer and consumer. Through recipes and cooking suggestions, we can prove to the consumer that short-fed beef indeed does have a place on the daily menu, economically and deliciously.”

The CowBelles are being asked to work with this promotion in the various stores in Tallahassee. We will be there to answer questions, give out recipes as we did last year in the Lakeland area. A newsletter will be sent to each county president, secretary and state director with more details. Please make every effort to be available for some part of this project. Notify your county president the days you will be able to participate so we can get this information into a schedule and back to you as soon as possible. We hope to have so many volunteers that it will involve no more than two days for any one group. This is really going to be an exciting venture and you will want to join in the fun. Pick up the telephone and call your county president and tell her the days she can count on you.

The first quarterly directors meeting of CowBelles and cattlemen is to be September 18 at the Holiday Inn East on 192 and Sunshine Parkway, Kissimmee-St. Cloud exit east of Kissimmee. A one-day meeting with committee meetings in the morning at approximately 9:00 a.m. and directors meeting in the afternoon. Please plan to attend this important meeting.

So that you can become better acquainted with your new 1975-76 CowBelle officers, here are a few interesting facts about each one and their family:

Jeanette Barthle

Jeanette Barthle, first vice president, was born and raised in Dade City, Pasco County, graduated from Pasco High School and attended Florida State University in Tallahassee. She has held various offices on the local level in the CowBelles, including the office of president. Besides caring for her family she works as a part-time secretary. Her hobbies include needlepoint, reading, cooking, sewing and crossword puzzles.

Jeanette and her husband, Joe, have been married 26 years and have seven children, five of whom are living at home. The family lives on Barthle Brothers Ranch, located on SR 581, 15 miles northwest of Dade City, which they own jointly with their sister-in-law, Mrs. Albert Barthle, and which Joe manages. The ranch, started in 1937 by Joe and Albert's father, the late J.A. Barthle, is principally a cow/calf operation and includes two herds of registered Brahman. They also raise and sell registered Quarter Horses. Citrus groves round out the business.

It being a family operation, summers and vacations find the young boys and girls of both families out working on the ranch. Randy, 25, is an animal science graduate of the University of Florida, and his wife, Patty, a registered nurse, live on the ranch. Jan, 22, graduated from Auburn with a degree in home economics and was married in April to Ed Dillard. They live in Dade City where Ed teaches agriculture at Pasco High. Steve 20, attended ABAC, works on the ranch, and plans to go to a mechanics school in order to learn how to keep the machinery and equipment on the ranch operating. Kathy, 18, will enter the University of Florida in January as a sophomore to work toward a degree in elementary education. Larry, 17, a senior at Pasco High and Mark, 12, and Beth, nine, attend St. Anthony School in San Antonio.

The Barthles are an active family with many interests including youth events and rodeoing. They are active members of St. Anthony Catholic Church where Jeanette sings in the choir.

They look on ranching as a rewarding, though hard business, and not only is it their way of making a living, it’s their way of life.

Sandy Hartigan

Sandy Hartigan, second vice president, has been a resident of Ocala since 1960, with her family, husband John, and two sons, Brian, 16, and Kevin, 14.

She is a native of Virginia and is a graduate of the College of William and Mary with a degree in sociology. Her husband, a native of Ireland, is now a citizen of the U.S. He manages Tartan Farms, a Thoroughbred horse opera...
Beef Promotion!

The Florida Beef Council and the Florida Department of Agriculture have joined forces for the promotion of one of our states most flavorful and important products:

**Beef**

First in a test program in Tallahassee, and then throughout the state, Florida’s Best Beef Buy will be shown to the consumer in newspapers, on radio and television, and the consumer will be shown to the beef counter in local stores. CowBelles will meet them there to answer questions, provide recipes and cooking information, and promote beef for the nutritious (and delicious!) product Florida Cattlemen know it to be.

The Florida Beef Council encourages all Floridians to try “Florida’s Best Beef Buy.”

Florida Beef Council

*A Committee of the Florida Cattlemen’s Association*

P. O. Box 1929, Kissimmee, Florida

(Published as a service to the industry by The Florida Cattleman magazine)
Tax Treatment Proposal Made

A joint statement on proposals for the tax treatment of farm and ranch operations has recently been presented to the Committee on Ways and Means of the U.S. House of Representatives by the National Livestock Tax Committee (NLTC), American National Cattlemen’s Association (ANCA) and National Livestock Feeders Association (NLFA).

Pointing out the distressed economic condition of the livestock industry, this statement underscored the need for capital entering the industry on an economic basis—not as a tax shelter. To eliminate alleged abuses caused by some tax shelter livestock feeding operations which publicly advertised write-offs of up to 400 percent, this statement urged the adoption of two proposals: (1) limit farm losses to capital-at-risk; and (2) tax limited partnerships in all industries (not just agriculture) which are registered with the Federal Securities and Exchange Commission as corporations, with the proviso that all such existing limited partnerships would be excluded.

The statement also asked for the rejection of proposals which would require mandatory accrual accounting for farm corporations and which would limit the deduction of artificial accounting losses (LAL) in farming. Repeal of the Excess Deductions Account (EDA) provision was urged and a request was solicited for an instruction to IRS that it cease its use of the material distortion of income test in disallowing deductions taken by cash basis farmers and ranchers.

NLTC says since Ways and Means will be writing a tax bill in September, interested ranchers are urged to contact their Congressional Representative as quickly as possible for support of these proposals.

Polk County Youth Fair Steer Show Sets Rules for Improvement

by SIDNEY L. SUMNER
Extension Agent, Beef, Polk County

Due to a long history of a lower than desired qualification rate of steers for the Polk County Youth Fair show and growing concern by fair officials and the general public, the extension office undertook a large scale effort to improve the situation. Following is an outline of the procedures and results of that effort. Hopefully others may benefit from our experience.

In May 1974 all youth interested in the 1975 steer show were invited to attend an educational meeting. They were urged to bring their parents. The program consisted of the following topics:

1) A summary of a questionnaire sent to all 1974 show entrants; 2) Some basic considerations for selection; 3) What does the sifting committee look for; 4) What can I do to improve my chances of meeting show qualifications?

The questionnaire included such things as: Purchase date; Purchase weight; Breed; Age; Date started on feed; Final weight; How selection was made; Who advised on selection and feeding; Previous experience; Exhibitor comments. A summary of the questionnaire was discussed to set the stage for the remainder of the program.

The next topic “Basic Considerations for Selection” was covered in the following manner: Actual figures from previous weight-gain data from steers entered in the fair were discussed. These indicated that for the 138 days prior to show date the average gain was 2.12 pounds per day, with the greatest average daily gain being 3.04 and the poorest 1.16.

With these figures in mind it was recommended that for planning purposes two pounds per day gain would be a reasonable thumb rule.

Table I indicates a simplified calf selection procedure which we recommend for projecting final weight.

Additional thumb rules recommended: Shoot for minimum show weight of 1000 pounds. Allow 30 days to acclimate calf. (Halter breaking, dehorn-

### TABLE I: If you buy a calf on a given date what should he weigh to reasonably assure meeting minimum weight and grade requirements in mid March.

<table>
<thead>
<tr>
<th>Purchase Date</th>
<th>Days to Fair</th>
<th>Less Acclim. Time</th>
<th>Days on Feed</th>
<th>Gain per Day</th>
<th>Total Gain Expected</th>
<th>*Calf Should weigh—lbs At Purchase</th>
</tr>
</thead>
<tbody>
<tr>
<td>June 1</td>
<td>290</td>
<td>30</td>
<td>260</td>
<td>2</td>
<td>520</td>
<td>480</td>
</tr>
<tr>
<td>July 1</td>
<td>260</td>
<td>30</td>
<td>230</td>
<td>2</td>
<td>460</td>
<td>540</td>
</tr>
<tr>
<td>Aug. 1</td>
<td>230</td>
<td>30</td>
<td>200</td>
<td>2</td>
<td>400</td>
<td>600</td>
</tr>
<tr>
<td>Sept. 1</td>
<td>200</td>
<td>30</td>
<td>170</td>
<td>2</td>
<td>340</td>
<td>660</td>
</tr>
</tbody>
</table>

After September 1—DON'T TRY IT!!

*To reach 1000 lbs. by March.
ing, worming, etc.) Figure on 170-day feed period minimum.

Gifford Rhodes, livestock marketing specialist, Florida Department of Agriculture & Consumer Services, outlined the sifting committee procedures and explained that they are working with external indicators of grade, and carcass grade which is largely dependent on marbling is impossible to determine with a high degree of accuracy before the steer is slaughtered. (Their record was 83 percent for our 1974 Show + or - 1/3 grade). He discussed breed differences and other factors that contribute to on-foot grade.

Finally James E. Pace, extension animal husbandman and Dr. Robert Sand, extension assistant animal husbandman wrapped up the program with a complete outline of pointers on raising a steer for show including selection, facilities, starting the steer, health care, feeding, fitting and showing. It was recommended that the steer be implanted with Ralgro or Synovex S. They included a useful handout outlining their recommendations.

As a sequel to the May meeting a series of three meetings were held at three locations in the county for convenience to exhibitors. These meetings were scheduled after the entry deadline in October. All entrants were required to attend one of the meetings subject to disqualification.

At the meetings they were told that based on past history: 35 percent would not show up for check-in; four percent of those who show up will fail to meet weight for age requirements; 34 percent will fail to meet minimum grade requirements or to sum it up, two out of three steers who show up for weigh-in won't make the show.

At this point it was emphasized that the purpose of these meetings was to improve those figures.

The responsibilities of the fair and of the exhibitors were outlined as follows:

The Fair will: (1) Provide qualified judge and sifting personnel; (2) Arrange for establishing resale price; (3) Work toward obtaining buyers; (4) Make available bedding and facilities at the show; (5) Provide premiums.

The Fair will not: (1) Guarantee the exhibitor to make the show; (2) Guarantee the exhibitor to make a profit; (3) Be responsible for "turned down" steers that fail to meet show requirements.

Exhibitors and parents will: (1) Comply with rules and regulations; (2) Attempt to obtain a buyer for their steer; (3) Do the best possible job feeding, training and caring for the animal.

It was pointed out that five important factors govern the success of a steer project. A shortcoming in any one of these five factors could result in failure to meet show standards. Primary emphasis was placed on items one thru four: (1) Proper selection; (2) Proper feeding; (3) Proper training; (4) Hard work; (5) Luck.

K BAR BULL SALE
Oct. 30, 1975
Thursday 1 p.m.—Lunch at 11:30
at the ranch—Zephyrhills, Fla.

85 BULLS
CHAROLAIS AND CHARBRAY
All bulls have been grown out on pasture, are breeding age, acclimated to Florida and are semen tested.

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Purebred Charolais Bulls of various ages and a few percentage cows.

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P. O. Box 300—Office Ph: 305/656-1553
WINTER GARDEN, FLORIDA
LEO FAUROT, MANAGER
Phone: Orlando 305/277-4908

LEO FAUROT

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Melbourne, Fla. 32901
Ph. 305/892-5010
Bob Porter, Foreman
Ranch 8 mi. south of Holopaw, Hwy. 441

The Florida Cattlemens / September 1975
Less Emotion Needed

Florida consumers need to get more factual and less emotional about land use if they are to continue to enjoy bountiful supplies of food.

Those strong words came from William Deitenbeck, an officer and director of the Agribusiness Institute of Florida, Orlando, a non-profit organization serving as a public relations spokesman for Florida agribusiness interests.

Deitenbeck says farmers are quite concerned over continued use of lands for food and fibre production; he suggests consumers need to get concerned, too, "lest Florida winds up with an over- abundance of recreational lands and a shortage of farming lands."

The emotional appeal of setting aside vast tracts of land for recreational purposes, according to him, catches the fancy of consumers "who, too often, do not realize they are literally cutting off the hand that feeds them."

The agribusiness association feels agricultural lands must be expanded in Florida, not only for greater recharge of water storage areas but to preserve the "considerable positive impact of agriculture upon the economy of this state."

The Agribusiness Institute of Florida is comprised of agricultural producers as well as service and supply organizations related to food and fibre production.

Next, qualifying requirements were discussed. As outlined below it was indicated that five qualifying factors would be considered.

1) Weighing: Class I—950 pounds minimum; Class II—850 pounds minimum; Class III—750 pounds minimum. Objective Measurement—No Judgement.


4) Handling: Must be satisfactorily halter broken.

5) Horns: Must be satisfactorily dehorned.

Next the following outline on Training, Grooming and Showing was discussed item by item.

Training: (1) Should be well under way now; (2) Should establish routine; (3) Requires much time and determination; (4) Use proper equipment; (5) Practice show ring procedures; (6) Accustom animal to standing tied; (7) Accustom animal to standing in one position for several minutes; (8) Don't spare the brush; (9) Lead for extended distance; (10) Expose steer to strangers and strange situations.

Grooming: (1) Keep facilities clean—daily; (2) Brush daily; (3) Wash occasionally—rinse thoroughly; (4) Clip head and tail a few days prior to show; (5) Train hair according to type.

Showing: (1) Practice leading clock wise; (2) Always lead from animal's left side; (3) Practice with equipment that will be used at show time; (4) Never coil lead around your hand; (5) Use approximately 18 inches of lead; (6) Use show stick; (7) Practice setting animal up squarely—quickly; (8) Have animal well trained.

Finally a basic course in ruminant nutrition was given. Protein and energy requirements for various weights and rates of gain were discussed, with instructions on how to determine whether or not a steer was getting basic requirements in his ration.

The importance of knowing how much feed the steer is consuming on a daily basis was emphasized.

Sample rations were prepared as guides using complete feeds and grain plus hay methods.

The importance of good worming and health programs were emphasized as well as the need to maintain fresh water supply at all times.

Summary of results for the 1975 Fair: 107 of 129 (83 percent) qualified as compared to a past record of 66 percent, or 22 of 129 (17 percent) were rejected on grade as compared to a past record of 34 percent. Only four of 133 were rejected on weight. None were rejected on handling or for horns.

The gain-in-weight contest was won with an average daily gain of 4.24 pounds and 10 percent of the steers gained 3.04 pounds per day (our previous high) or better.

In conclusion it was felt that the special effort was quite effective and well worth the effort. It is planned to continue a revised form of this program on an annual basis and any inquiry from others interested in conducting a similar program is welcomed.

Wade Heads
Sumter Cattlemen

Frank Wade of Coleman is current president of the Sumter County Cattlemen's Association with H. Guy Thompson, Center Hill, serving as vice president.

Other officers are Donald Todd, Bushnell, secretary-treasurer; C. Aubrey Caruthers, Oxford, state director, and Colan Bevillé, Bushnell, delegate at large.

Serving as directors are: Clyde Hal-lauer, Oxford; Fred Waldron, Wildwood; Greg Gigham, Coleman; Charles Lamb, Center Hill; John D. Brown, Bushnell, and Stanton Gideon, Jr., Webster.
Wasdin Sale Brings $605 Average

The First Wasdin Charolais Ranch Polled Influnce Production Sale and Herd Reduction Sale held at the Leon County Fair Grounds, in Tallahassee brought a gross of $69,625 for 121 lots, to average $605 per lot.

Volume buyer at the July 19 sale was Jack Heard of Newton, Georgia paying $19,075 for 50 head.

Second volume buyer and purchaser of the highest selling animal was Gerald Barton of New York, New York, who paid $8000 for 3/4 interest in FCI B 47.

Fred Collins & Son, Tallahassee, guest consignor, furnished 10 of the 114 female lots for the sale.

Auctioneer for the event was George Morse from Shawnee Mission, Kansas, and Doyle Conner, Jr., of Tallahassee.

Management of the sale was furnished by John R. Culbreath of Brooksville.

A complete list of buyers with monies spent and number of head purchased, if more than one, in parentheses, follows:

Diamond D Ranch, Fort Valley, Georgia, $2000; Madison Polled Charolais, Madison, $4400 (4); G-S Charolais Ranch, Abington, Virginia, $6550 (4); Jack Heard, Newton, Georgia, $19,075 (50); Kenwood Farm, Seagrove, North Carolina, $2825 (3); Bar-S Ranch, Banks, Alabama, $1195 (2); Lucy W. Ranch, Land O' Lakes, $2175 (3); James Wall, Miami, $4075 (6); Glenn Virgo, Tallahassee, $800; E.A. Harris, Perry, Georgia, $625; Powerhouse Ranch, Tallahassee, $555; Gerald Barton, New York, New York, $8000; P.T. Weeks, Dade City, $3230 (5); Gaylord Johnson, Leesburg, Georgia, $1990 (5); Emory Brown, Tallahassee, $750; W.H. Harrell Trust, Tallahassee, $1625 (2); K-Bar Ranch, Zephyrhills, $2125 (3); Diamond J Ranch, Tallahassee, $425; Hilltop Ranch, Monroe, Georgia, $1185 (2); D S Ranch, Thomasville, Georgia, $775; C.C. Connell, Tallahassee, $610 (2); Byrd Lee, Otsman, Alabama, $635 (2); Dallis Lambert, Tallahassee, $1795 (6); K. T. Ranch, Chatteland, $300; Fargo Charolais, Mathews, Georgia, $1150; M.L. Myers, Tallahassee, $500; Jim Fogarty, Tallahassee, $165.

Charolais Recognized By USDA

Purebred Charolais cattle registered in Canada were officially recognized as a breed, August 1, by USDA, thereby becoming eligible for duty-free import into the U.S.

Officials of USDA’s Animal and Plant Health Inspection Service (APHIS) said recognition of the breed by USDA will permit pedigreed animals to be granted free entry if accompanied by certificates of pure breeding. Such recognition was made after APHIS officials examined and found satisfactory the records and registration rules of the Canadian Charolais Association, headquartered in Calgary.

USDA recognition had been granted previously to 14 other breeds of purebred cattle registered in Canada.

Veal produced in May was 59 million pounds which is more than double the 29 million pounds produced in May of last year.
Current Beef Breeding Status at Ona Evaluated

by F. M. PEACOCK
Ag. Research Center, Ona

Breeding research at the Range Cattle Station is designed to evaluate the genetic potential of beef breeds as purebreds and in breeding systems. Research has been with the Shorthorn, Brahman, Angus and Charolais breeds.

The beef cattle breeder has the opportunity of increasing beef production by various systems, utilizing production traits unique to particular breeds, as a means of increasing production. The use of breeds or breed combinations adapted to the particular environment and utilizing heterosis effects is a means of combating the cost-price squeeze facing cattlemen.

Improvement in beef production can be accomplished by utilizing (1) the additive breed effects characteristic of the various breeds and (2) heterosis which accompanies certain parental combinations by breeding systems toward specific goals. The environment furnished the animal determines whether or not the genetic potential is fulfilled but for this presentation only breeding will be discussed.

The genetic pool available for improvements in beef production consists of breeds with wide variations in production traits. The mature size, growthiness and muscling of the large breeds, the ability to fatten and carcass quality of the British and the adaptability and crossbreeding potential of the Brahman provide a pool of raw materials for improvements in beef production.

Reproduction and mothering ability are the two most important traits in the beef cow. For optimal performance the cow has to be adapted to her environment. This is not only necessary for the cow but the calf also must be genetically adapted for optimal performance.

The following table includes examples of additive breed effects for weaning weight and carcass grade after 180 days in feedlot.

<table>
<thead>
<tr>
<th>Breed of sire</th>
<th>Breed of dam</th>
<th>Weaning Weight</th>
<th>Feedlot Carcass grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>Angus</td>
<td>Angus</td>
<td>411</td>
<td>Low Choice</td>
</tr>
<tr>
<td>Angus</td>
<td>Charolais</td>
<td>411</td>
<td>Low Choice</td>
</tr>
<tr>
<td>Angus x Charolais</td>
<td>463</td>
<td>High Good</td>
<td></td>
</tr>
<tr>
<td>Charolais x F1</td>
<td>Low Good</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

We see from these data on crossing the Charolais and Angus that breed effects are additive since the crossbred fits close to the average of the two straightbred in weaning weight and carcass grade. This shows that breeding bulls of genetically larger breeds to cows of the smaller breeds will improve weaning weight, even though heterosis was not present. If heterosis for these traits had been present there would have been a significant increase over the average.

An example of heterosis for weaning weight and additive breed effects for carcass grade is shown in the following tabulation of Angus, Brahman and F1-A-B cattle.

<table>
<thead>
<tr>
<th>Breed of sire</th>
<th>Breed of dam</th>
<th>Weaning Weight</th>
<th>Feedlot Carcass grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>Angus</td>
<td>Brahman</td>
<td>411</td>
<td>Low Choice</td>
</tr>
<tr>
<td>Brahman</td>
<td>Angus</td>
<td>459</td>
<td>High Good</td>
</tr>
<tr>
<td>Angus</td>
<td>Brahman</td>
<td>415</td>
<td>Good</td>
</tr>
</tbody>
</table>

Heterosis is present in the Brahman-Angus cross for weaning weight as the crossbred exceeds the average of the parents breed. However, there is no heterosis for carcass grade since the crossbred is half way between the two straightbred, the same as in the Charolais x Angus cross.

The full benefits from heterosis by crossbreeding are not fully utilized until the crossbred females come into production. The following is an example of the advanced generation effect.

<table>
<thead>
<tr>
<th>Breed of sire</th>
<th>Breed of dam</th>
<th>Weaning Weight</th>
<th>Feedlot Carcass grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>Angus</td>
<td>Brahman</td>
<td>411</td>
<td>Low Choice</td>
</tr>
<tr>
<td>Brahman</td>
<td>Angus</td>
<td>459</td>
<td>High Good</td>
</tr>
<tr>
<td>Angus</td>
<td>Brahman</td>
<td>512</td>
<td>Low Choice</td>
</tr>
</tbody>
</table>

To further increase weaning weights of calves the three-breed cross can be utilized. This combines the growthiness and muscling of the Charolais and the mothering ability of the F1 Angus x Brahman cow. An example is as follows:

<table>
<thead>
<tr>
<th>Breed of sire</th>
<th>Breed of dam</th>
<th>Weaning Weight</th>
<th>Feedlot Carcass grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>Angus</td>
<td>Brahman</td>
<td>415</td>
<td>Good</td>
</tr>
<tr>
<td>Angus</td>
<td>Brahman</td>
<td>527</td>
<td>Good</td>
</tr>
<tr>
<td>Brahman</td>
<td>Angus</td>
<td>411</td>
<td>Low Choice</td>
</tr>
<tr>
<td>Angus</td>
<td>Brahman</td>
<td>552</td>
<td>Good</td>
</tr>
</tbody>
</table>

These results show both breed effects and heterosis for weaning weight.

This example demonstrates the benefit for weaning weight of the three-breed cross when characteristics of each breed are complementary. However, it demonstrates also the effect of growthiness on carcass grade when length of feeding period is fixed and not relative to growth curve of the particular breed combination.

Reproduction is probably the trait most affected by adaptability to environment. The following example demonstrates both adaptability and heterosis when the Angus and Brahman breeds are combined.

<table>
<thead>
<tr>
<th>Breed of cow</th>
<th>Weaning weight %</th>
</tr>
</thead>
<tbody>
<tr>
<td>Angus</td>
<td>72</td>
</tr>
<tr>
<td>Brahman</td>
<td>93</td>
</tr>
<tr>
<td>Angus x Brahman</td>
<td>82</td>
</tr>
</tbody>
</table>

If the three-way cross is too complicated, satisfactory results may be obtained by the use of complementary breeds in a criss-cross program. An example of this is presented in the following tabulation:

<table>
<thead>
<tr>
<th>Breed of sire</th>
<th>Breed of dam</th>
<th>Weaning Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>Shorthorn</td>
<td>Shorthorn</td>
<td>380</td>
</tr>
<tr>
<td>Shorthorn</td>
<td>Brahman</td>
<td>392</td>
</tr>
<tr>
<td>Brahman</td>
<td>Shorthorn</td>
<td>480</td>
</tr>
<tr>
<td>Shorthorn</td>
<td>F1</td>
<td>482</td>
</tr>
<tr>
<td>Brahman</td>
<td>F1</td>
<td>500</td>
</tr>
<tr>
<td>Brahman</td>
<td>3/4 Brahman</td>
<td>527</td>
</tr>
<tr>
<td>Shorthorn</td>
<td>4/4 Brahman</td>
<td>453</td>
</tr>
<tr>
<td>Shorthorn</td>
<td>3/4 Brahman</td>
<td>482</td>
</tr>
<tr>
<td>Shorthorn</td>
<td>3/4 Brahman</td>
<td>416</td>
</tr>
<tr>
<td>Brahman</td>
<td>3/4 Brahman</td>
<td>497</td>
</tr>
</tbody>
</table>

The Florida Cattlemans / September 1975
When you put 'em on grass, put 'em on Ralgro—and watch the results. They gain more from the start, because Ralgro is an anabolic agent without the side effects of a hormone, and it's even safe for calves. Easier implanting, too; just one pull of the trigger for one full dose.

Commercial Solvents Corporation
ANIMAL HEALTH AND NUTRITION DIVISION
Terre Haute, Indiana 47808
These results show the superiority of the F1 product over the straightbred and the product of the F1 cow over the F1 product for weaning weight. The criss-cross program is the result of the back-crossing to the opposite breed of bull when breeding in a cow reaches three-fourth to maintain certain blood proportions in the offspring. By breeding Brahman bulls to 3/4 Short-horn/1-4 Brahman cows instead of Short-horn weaning weights were 497 instead of 416 pounds. Breeding Short-horn bulls instead of Brahman to 3/4 Brahman/1-4 Short-horn cows resulted in weaning weights being 482 instead of 453 pounds.

The knowledge and breeding stock are available in Florida that will enable the cattlemen to produce the type of beef animal the market justifies.

CowBelles

(Continued from Page 90)

Lee Sapp

Born in Connecticut to Lorraine Neumann Sharpe and Charles Sharpe, Lee moved to Fort Pierce in 1948 at the age of six. She was educated in the public schools of St. Lucie County and graduated from Dan McCarty High School.

She married Alvin Sapp, a life-long resident of St. Lucie County on February 27, 1958. They have one daughter, Mary Katherine (Kathy), age 16. She is an honor student at Indian River Academy, and active in the Parkview Baptist Church, as is Lee.

Her husband is a livestock inspector in the cattle inspection business. She is active in the Florida Cattlemen's Association in Kissimmee, and is a cattleman and agriculture-co-op coordinator. They have a farm at Shiloh where they raise commercial Angus and Brangus cattle.

The family is active in the Citrus Baptist Church.

Wendie Nicholson

Mrs. Wendie Nicholson, corresponding secretary, is employed as secretary to the executive vice president of the Florida Cattlemen's Association in Kissimmee. She has been married to Thomas Nicholson for the past 21 years and they have five children and one grandchild. Her children are Sue Ann, five; Scott, 11; Sheryl, 15; Blake, 17; and Steven, 19, who is married with a one-year old daughter, Jessica Dawn.

Wendie has lived in Florida for the past 15 years and in Kissimmee for the past 10 years. Her husband is employed by the Central Florida Wood Products Company in Kissimmee, where he has been plant superintendent for the past 15 years.

She graduated from Colchester College and has been employed in various positions during the past 20 years since arriving in the U.S. from England. Some of her positions have included legal, CPA, and real estate secretary.

Wendie is very active in the American Legion Auxiliary where she has held several posts, including past president of Unit 10 in Kissimmee; junior activities; Girl's State, and eastern area secretary.

Recipe for Top People: A prominent salesman, now retired, summed up his success in three simple words, "And then some." He discovered at an early age that most of the differences between average people and top people could be explained in three words. The top people did what was expected of them — and then some. They were thoughtful of others; they were considerate and kind — and then some. They met their obligations and responsibilities fairly and squarely — and then some. They were good friends to their friends — and then some. They could be counted on in an emergency — and then some!
Mörlunda Farms
Oscar Nelson, Inc.

A Morlunda Herd Sire—2200 lbs. in pasture condition

Mörlunda is the home of over 500 Polled Hereford cows, one of the nations largest, and all performance tested. Our cattle are bred, grown, and acclimated for grassland production. Performance testing since we entered the business... top records are available for your inspection.

200 Bulls for sale annually. Of these about 25 are performance tested on a 140 day feed test. Last year our bulls stood first, second and fourth in the West Virginia Performance Testing Station. However, we don’t have enough time or money to feed them all, nor do we think it sound for the cattle, so the majority of our bulls are pasture raised...GRASS...GRASS...GRASS...and are ready to turn out on good southern cattle country.

All Mörlunda herd sires weigh a ton or more and have all proven that they can do the job.

We have been breeding purebred cattle since 1933 and expect to be around for a long time more. So, come see us or write to us if we can be of any help to you.

For information contact:

Oscar Nelson, Owner • Truman E. Lawrence, Manager
Phones: (304) 645-2220 (304)645-3522
Box 428, Lewisburg, West Virginia 24901
Farm Located 2 1/2 miles West on U.S. 60
ANNOUNCING
The Second Annual Florida Polled Hereford Bull Sale

OCTOBER 18, 1975—1:00 p.m.
at the
Arcadia Livestock Market,
In Arcadia

85 HIGH QUALITY BULLS

Graded and Semen Tested
for more information
Florida Polled Hereford Association
P. O. Box 1261
Fort Pierce, Florida 33450

POLLED HEREFORD bulls shown above were recently sold by Charles R. Jenkins of Lakeland to Stichting Plan-
bureau Suriname, a South African Com-
pany. The bulls were shipped to their new
home in June.

Jones Dispersal Sale
Sets Records

A breed record for a private Polled
Hereford Sale was set at the R. W.
Jones, Jr. Farm Dispersal Sale when
80 lots sold for $787,500 to average $9844
per lot. The record-setting average was a
lot like the herd of RWJ cattle that sold,
which has set many weaning weight and
yearling weight records for the breed
over the years.
The dispersal was held to settle the
estate of the late Mr. and Mrs. R. W.
Jones, Jr., who had built the herd on
performance alone over the years.
Probably the largest crowd ever to
attend a purebred auction sale in the
southeast was on hand for the event at
the Leslie, Georgia, farm.
Sale figures showed nine herd sires
grossing $119,400 to average $13,267,
while 71 female lots grossed $668,100 to
average $9410.
Florida buyers at the sale were Rock
Hollow Farm, Alachua; D. N. Malloy,
Marianna; and AB Distributors of
Jacksonville.
Rock Hollow Farm purchased the
lot two bull, RWJ Victor J3 266, for
$30,000. The December 1971 son of
RWJ Victor F18 J3 had a 205 day ad-
justed weight of 724 pounds, an average
daily gain on feed of 4.41 pounds, and a
365 day adjusted weight of 1429 pounds.
Malloy purchased RWJ Victor J13
76, an October 1966 son of RWJ Pr Vic-
tor J133, for $7700. This bull showed a
205 day adjusted weight of 700 pounds
and a 365 day adjusted weight of 1206 pounds.
One of the volume buyers at the sale
was AB Distributors. The firm
purchased 10 head, all females, for
$28,600.
Top selling individual in the sale was an eight month old bull calf sired by
RWJ Perfect J84 849 and out of RWJ
Victoria 859 157. Three Georgia Polled
Hereford breeders teamed up to
purchase tattoo G223 for $47,500. High
bidders were Cinderella Acres, Dawson,

Young Acres Ranch

— Buy —
New Trend Polled Herefords
Performance Records Cattle
Service Age Bulls
Bred and Breeding Age Females
H. Y. Tillman
1207 W. Park Ave. Valdosta, Ga. 31601

The Florida Cattleman / September 1975
Georgia, Pine Acres Farm, Mershon, Georgia, and Ensco Polled Herefords, Dawson Georgia. The calf is a son of RWJ Victor J3 212, whose record shows four sons with an average 365 day adjusted weight of 1126 pounds.

The same three buyers of the top selling animal also purchased the second high selling individual, RWJ Victor 76 330. The bull had a 205 day adjusted weight of 729 pounds and a 365 day adjusted weight of 1285 pounds. He sold on a high bid of $45,000.

The top selling individual female in the sale went for $11,500 to J. C. Johnstone of Saskatchewan, Canada. She was RWJ Victoria J3 129, a coming five year old cow sired by RWJ Victor F18 J3. The cow had two sons with an average 365 day adjusted weight of 1129 pounds.

The sale was managed by Bryan L. (Bo) Swilley of Memphis, Tennessee. Auctioneers were A. W. (Ham) Hamilton of Lewisburg, West Virginia, and Swilley.

Vicktor Jones, son of the Late R. W. Jones, Jr. and manager of the farm, gave background information on the herd.

Santa Fe Bull Sale is Set

About 80 head of registered Polled Hereford Bulls will be sold on November 10, 1975, at Santa Fe River Ranch, Alachua, according to ranch manager W. F. (Bill) Snead.

The bull sale will be the fifth annual event for the ranch, owned by Snead Y. Davis.

The sale will start about 1:00 p.m. with A. W. (Ham) Hamilton of Lewisburg, West Virginia, auctioneering. Lunch will be available at the sale site at 11:30 a.m.

Snead said all bulls will be breeding age, acclimated, semen tested, have all their shots, and will be ready to work. Bulls are available for inspection at anytime, he added.

Sale Topper!

John Olin Pearce, Okeechobee topped the Okeechobee Livestock Market sales in the second week of July with a 37c calf. Pearce also sold 114 head of top quality calves that averaged 465 pounds for $29.51 per hundredweight, according to Pete Clemons, manager of Okeechobee Livestock Market.

Wisdom Named

Colonel Donald A. Wisdom is the new District Engineer, U.S. Army Engineer District, Jacksonville.

Wisdom is succeeding Colonel Emmet C. Lee, Jr. who was transferred to Fort Leonard Wood, Missouri.

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Coggins Test Has Broad Application

The broad application of the Coggins test for equine infectious anemia (EIA or swamp fever) during recent years has focused new attention on this disease of horses and other equines.

This accurate and reliable blood test can be used by horse owners to protect their stock—buying animals only after they’re tested and found to be free of the disease—by not allowing untested horses to be stalled or pastured within their own—and by not bringing their animals to any assembly point (show, sale, race track, trail ride, etc.) where prior testing is not required.

Before taking these precautions, horse owners should, of course, have their own horses tested and eliminate all infected animals. This step will prevent infection within individual herds and will help horse owners comply with those state import laws which prohibit entry of infected horse stock.

Currently, 29 states and Puerto Rico require negative test results for all horse stock (horses, ponies, burros and other equines) entering their borders, according to Dr. M.J. Tillery, regional veterinarian for USDA’s Animal and Plant Health Inspection Service (APHIS). These states are: Alabama, Arizona, Delaware, Florida, Georgia, Hawaii, Illinois, Kentucky, Louisiana, Maine, Maryland, Massachusetts, Michigan, Minnesota, Mississippi, Missouri, New Hampshire, New Jersey, New York, North Carolina, Ohio, Oregon, Pennsylvania, South Carolina, Tennessee, Texas, Vermont, Washington, and West Virginia. Other states are working to develop control programs to stop the spread of this incurable disease of equines.

In addition, Florida, Kentucky, New Hampshire, New York, North Carolina, Vermont and West Virginia require that animals be negative to the Coggins test before they are allowed at certain concentration points—such as shows, sales, race tracks, rodeos, and trail rides. Infected animals must be branded or lip tattooed and permanently isolated under quarantine from other horses. By use of the Coggins test and stricter controls by individual states, APHIS hopes to prevent the rapid spread of EIA.

Technically, the correct name for the blood test to confirm EIA is the agar gel immunodiffusion (AGID) test. It is frequently referred to as the “Coggins test” because Dr. Leroy Coggins, at Cornell University, showed that the test, which had been used for many years for other diseases, could be adapted to EIA. The test is approved by the APHIS and is conducted in approximately 100 laboratories.

The Coggins test detects EIA antibodies. EIA is caused by a virus and... (Continued on page 115)
Armyworms, leafhoppers and plant bugs are rustlers. They steal lush, succulent grass, robbing you of beef-making forage. Heavy infestations can thin out or destroy stands, causing heavy reseeding costs in addition to the destruction of valuable forage.

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Cattle, vegetables, peanuts keep the family of

Lees

busy at Sparr

by ETHEL HALES STANCIL

Rose (Mrs. Willie) Lee, of Sparr, didn't grow up on a farm, but you'd never guess it. She is familiar with all phases of the Lee farming operations and has actually shared in much of the work. The family has done general farming, kept cattle and raised vegetables and peanuts for market.

The Lee family includes eight children, five boys and three girls. All are "grown and gone" from the immediate homesite now except Sandra, 15, and Stanley, 13, but Harold and Donald live nearby and the 5 "grandboys" (they're hoping for a grandgirl in November) add enjoyment to life. Son Jimmy lives in Atlanta, daughter Jean (Mrs. Edgar Wilson) in North Carolina and daughter Edith (Mrs. Steve) Smith in Starke. Oldest son, George, who can play any musical instrument, is in the ministry (undenominational) and presently is in Tennessee.

Mrs. Lee drove the school bus for three years, then acted as teachers' aid before settling down as a secretary and data processing clerk at North Marion High School.

Daughter Sandra is interested in nursing, although most of her 4-H projects have involved sewing recently. She plays the piano well, as do all of the children, and plays for school programs. Stanley's 4-H projects currently center around tractor driving and maintenance and livestock projects. He loves farming and when not busy at home helps his brothers Harold and Donald with their business of digging swimming pools and doing custom farming.

Some Items and Recipes

Old friends and relatives move away—not far perhaps but not near enough to see every few weeks. We concentrated on calling on such folks last weekend, starting Saturday at noon and continuing Sunday afternoon. We visited 12 former neighbors, had an elderly lonely lady for Sunday dinner and called on two patients in the nursing home. A full weekend but a rewarding one!

I bought two bushels of pineapple pears. I cooked some spiced and made preserves and jam and pies. I am storing the jam and preserves in the refrigerator and freezer instead of canning them. The pears, grated, make delicious pies. Add sugar to the pulp and lemon juice for tartness, and simmer to a jelly. Cool and seal with paraffin. Sugar to the pulp and lemon juice for tartness, and simmer to a jelly. Cool and seal with paraffin.

Potatoes and cabbage are still good buys. We ate a lot of them during the depression. They are versatile.

We bought a 12 inch oscillating fan for under $30. It is guaranteed for five years and does not require oiling.

Perhaps you as I have noticed families using fans instead of their air conditioning units! There has been quite a run on fans. I am glad we have windows and doors which makes the fans work satisfactorily.

We have three July birthdays and we celebrated them at Georgeanne's when she prepared a ham and German potato salad supper for the 13 of us here and a neighbor whose birthday we also celebrated.

After supper we made homechurned ice cream and served it and cake to the family and friends who came.

I feel concern for those who do not have devoted families.

All of the children learned to operate the machinery on the farm when young. Mrs. Lee recalls that George cut (disked) part of the field by the house when he was only 6 years old!

"The little ones were raised in the field!" Mrs. Lee says. I checked one day and found I had traveled 160 miles running for three of the menfolks and their tractors. I took them lunch, fuel, and had to run into town for seed. Of course they were in three different areas working!"

A pet which the family enjoyed and will ever remember was a small female monkey, Mono. He was kept in his cage for only a month, after which he had the run of the place. He ate all kinds of fruit, especially liking oranges, table scraps and bread. He climbed into the trees, delighting in showing off, and slept under the eaves of the house.

Canning and freezing fruits and vegetables are summer activities and Mrs. Lee is thankful for a little "breather" from her work. Willie and she picked enough blackberries on the place to put up 100 pints of jam.

Cantaloupe jam! Yummy! Here's Mrs. Lee's recipe:

Remove the seeds from ripe cantaloupe halves and scrap out the pulp, pulverizing it with a potato masher. Boil this pulp briskly with a little water until smooth and free from lumps. To 7 pounds of pulp (before cooking) add five pounds of sugar and the juice of two lemons and grated rind of one-half lemon. Boil rapidly for 1/2 to 3/4 hour, stirring to prevent burning. Pour into glasses and when cold, seal with paraffin. This makes nearly a gallon of jam.

Mrs. Lee likes to cook and the family is fond of her chicken, fried in peanut oil. "Because we grow peanuts," she says, but she also considers the oil less greasy than other fats.

An old cookbook which belonged to Willie's mother is treasured and used by Mrs. Lee. His father was Waddie Lee, who ran the old State Farmers' Market in Ocala 35 years ago.

Crocheting and embroidering are hobbies of Mrs. Lee. She has made doilies, afghans, bedspreads and small tablecloths. But sewing is her real love. Indeed her husband calls her "Mrs. Sew and Sew!" She says she'd rather sew than eat. These days she sews for the grandchildren.

Mrs. Lee loves flowers and has a way with them, evidenced by the beautiful hanging pot arrangements on her porch. When Mrs. Lee's sister, Mrs. Viola Smith, died at 33, leaving 12 children, a baby only 15 months old, the Lees kept two of the children—one of them for 8 years. Other family members kept the other children who were reunited when their father remarried.

Happy, busy farmfolks—the Willie Lees.

Mrs. Lee has a number of favorite recipes which she shares willingly with all her friends.

The Florida Cattleman / September 1975
Gravette Takes Cowboy Lead
In Florida

Broadus Gravette, Cabot, Arkansas, has taken over the lead in all around competition as of August 1, in the Florida Cowboy Contest with earnings of $2266.

Holding the lead in the saddle bronc event is Bob Reidel of Okeechobee with winnings of $1523. Ellis Ballard, Sarasota with earnings of $3653, is still holding down the number one place in the bareback competition.

Bull riding leader Kenny Sanders, Wauchula, retains his position with winnings of $2383. The calf roping lead is again held by Bobby Goodspeed of Highridge, Missouri, with $1946.

Charles Lowry, Summerville, Georgia, with earnings of $2090, still holds the lead in the steer wrestling event.

Judy Crosby of Ocala with winnings of $1673, has taken over the lead in barrel racing.

Leaders in the various events as of August 1, listed to five places, with monies won, follow:

- All-round: Broadus Gravette, Cabot, Arkansas, $2,266.35; Gary Dymmek, Tallahassee, $1809.36; Cecil Broussard, Gonzales, Louisiana, $1802.80; Jess Blackwell, Electra, Texas, $1630.91; Bob Reidel, Okeechobee, $1618.54.
- Saddle broncs: Bob Reidel, Okeechobee, $1523.32; Doug Vold, Dewinton, Alberta, Canada, $825.99; Dave Price, Barden, Kansas, $791.09; Doug Brown, Silverton, Oregon, $707.66; Wayne Hall, Greenville, Texas, $684.04.
- Bareback broncs: Ellis Ballard, Sarasota, $3652.96; Hal Wood, Nashville, Tennessee, $895.23; Kaye Kirby, Woodstown, New Jersey, $760.48; Glen Webb, Baton Rouge, Louisiana, $744.81; Royce Smith, Challis, Idaho, $682.08.
- Bull riding: Kenny Sanders, Wauchula, $2383.46; Mike Bandy, Ackins, Texas, $1285.96; Vanas Heiden, Sheridan, Arkansas, $1125.00; Jasper McLamb, Benton, North Carolina, $1155.26; Ray Phillips, Tallahassee, $1029.00.
- Calf roping: Bobby Goodspeed, Highridge, Missouri, $1946.47; Broadus Gravette, Cabot, Arkansas, $1913.84; Bobby Sapp, Plant City, $1633.36; Dan McClain, Opa, $1251.46; Cecil Broussard, Gonzales, Louisiana, $1153.46.
- Steer wrestling: Charles Lowry, Summerville, Georgia, $2089.55; Fred Gomez, Kissimmee, $1553.49; Kaye Kirby, Woodstown, New York, $1100.54; Joe Dorenkamp, Holley, Colorado, $966.28.
- Barrel racing: Judy Crosby, Ocala, $1672.94; Beth Crosby, Ocala, $1643.68; Margaret Skipper, Zephyrhills, $1474.82; Charlotte Lewis, Indianantown, $1452.39; Barbara Cannon, Ocala, $1181.83.

Research Ride Set

The first annual National Ride for Research sponsored by the Morris Animal Foundation will take place on September 20.

The riders will be riding to raise funds for research at veterinary schools into health problems of the horse. Participants will solicit pledges for certain amounts of money per mile ridden, in the same manner as the charity walk-a-thons.

The ride also should increase public awareness of the popularity of the horse as a recreational animal.

More than 300 individuals and groups have expressed interest.

Individuals, clubs or organizations interested in participating in the National Ride for Research should write the Morris Animal Foundation, 531 Guaranty Bank Building, Denver, Colorado 80202.
Minimizing Stress Conditions in Dairy Cattle Important for Milk Production

by B. HARRIS, JR  
University of Florida

Minimizing stress conditions in dairy cattle can best be achieved by recognizing the various stress factors and planning in advance to minimize the stress. A good preventative program will enhance management skills and increase milk production.

Some Factors

Factors of utmost importance would be to provide shade during hot weather, reduce mud, continuity of the feeding program, proper milking practices and good disease preventative programs. These factors, coupled with excellent management, will help in getting cows bred and increasing milk production and net profits.

There are a number of factors responsible for causing stress in dairy animals. The amount of losses one may encounter or suffer will depend upon the stress conditions plus the period of time and amount of exposure to which the animal was subjected. The following is a discussion of several stress factors and how they can possibly be minimized.

Summer Heat

Summer Heat and Humidity: Shade is good and helps to keep cows cool if used correctly. Trees make the best shade followed by a good, ventilated loafing barn. If artificial shade is provided in the pasture, provide excellent drainage to avoid mud pools.

Avoid driving cows long distances and do not force cows to stand in unshaded and crowded lots for long periods. Cool cows before entering barn with cow washers or shade offering good ventilation. Provide drinking water in an abundant supply near the feeding area. Wetting the feed will usually increase consumption.

Stresses

Stresses Caused by Feeding Practices: Dairy rations lacking the proper balance, bulk and palatability could lead to stress conditions in dairy cattle.

Avoid drastic or sudden changes in feeds and feeding practices as these tend to reduce milk production. Changes to and from feeds such as silage, pasture, citrus pulp, brewery by-products and molasses should be gradual.

Fat Cows

Fat Cow Syndrome: Fat cows are poor eaters and usually have more problems at calving. Problems frequently encountered with fat cows include ketosis, milk fever, and lowered production.

The Normal Routine Stress: The dairy cow develops rapidly a normal routine and any drastic change in her habits causes stress.

Kent Price Receives Award

R. Kent Price, extension director, Okeechobee County, has been awarded the 1974 Distinguished Purebred Dairy Cattle Association (PDCA) Award by that organization's president, Judson Minear, during the annual Florida Dairy Production Conference Awards banquet held recently in Gainesville.

Price was cited for his many accomplishments in the promotion of good quality dairy cattle and for his hard work and contributions to the success of the Florida Holstein Association.

He has served as secretary of the Holstein group for a number of years, and also has been active in promoting youth dairy programs.

Screwworms Gone

Puerto Rico and the Virgin Islands were declared screwworm-free at ceremonies in San Juan, Puerto Rico, on July 2.

The eradication required almost two billion sterile screwworm flies and four years of cooperative effort. The program was started by the USDA's Animal and Plant Health Inspection Service (APHIS) in June 1971. At that time it was estimated that screwworms were causing over $2.25 million in damages to livestock every year.

The last screwworm case was reported in November 1974. The final release of sterile flies was made on May 3, 1975.
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The Florida Cattleman / September 1975
### Lab Cases Show Drop In Numbers

**by D. E. COOPER, D.V.M.**

*Florida Department of Agriculture*

The Diagnostic Laboratories have processed a few less cases during the past month. There have been several cases of the calf-scours-pneumonia complex noted with quite a bit of antibiotic resistance seen. This condition has been labeled as being caused by a bacterial viral complex and often causes death. In all cases that have been examined in this laboratory, no viruses have been discovered. This does not necessarily mean the virus is not present, it may be that the bacteria present interfere with and mask the virus recovery. The cases presented for autopsy have nearly all presented bacterial enteritis (scours) and early acute pneumonia. Many times the pneumonia causes death before any actual passage of scouring feces. Thus it appears to the owner as if the condition is not the usual scours complex, but is something new and different.

Bovine cases during the past month have been the usual clostridial infections with another of hardware. This was an animal which had been under rather extensive antibiotic therapy, but the infection was so extensive that antibiotics were not effective.

Cases of hardware (wire in the stomach) are rather infrequent during present day because baled hay, formerly the most common source of wire, is now baled with string instead of wire. Often it is not possible to find the piece of wire that penetrates the stomach and death occurs. It has completely rusted away or it may have retracted within the stomach and be lost in the mass of food in the paunch.

Parasite cases are beginning to increase and we have had several animals positive for anaplasmosis. We have discussed anaplasmosis several times previously and only wish to remind owners that there is an effective vaccine to prevent the disease as well as preventive treatment using doxycycline (sporamin) and its relatives. It should also be remembered if antibiotics are used, that there is a withdrawal time needed for all animals prior to slaughter.

The emphasis is still on testing for equine infectious anemia as far as equine tests are concerned and the percentage of reactors on first test is slowly being reduced. The season of greatest testing is about to start and there may be a slight increase as more animals come under test.

Now is the time to plan vaccinations and parasitic treatments for fall so animals will go on winter pastures as well prepared as possible.
**Coggins Test**  
*(Continued from page 105)*

Viruses are usually good antigens—they stimulate the production of antibodies when introduced into an animal. Antibodies are modified globulins that circulate in the blood serum and can react with and inactivate a specific foreign substance, which is called an antigen.

For a test, a veterinarian draws a blood sample and sends it to an approved laboratory where the serum portion of the blood sample is separated and examined. If a positive reaction results, the test is usually repeated to confirm the presence of the disease. Because there is no treatment for EIA, the best course of action owners of affected horses can follow is to have infected animals humanely destroyed.

**USDA Researches Livestock Waste**

Deputy Administrator Earl R. Glover says laboratory studies on converting livestock wastes to feed and fuel gas will be scaled up to pilot plant level in USDA's Agricultural Research Service (ARS), in Peoria, Illinois.

Northern Regional Laboratory has previously done studies in five gallon fermenters, and according to Glover these studies will be continued and expanded to 1200 gallon fermenters which will be installed at the U.S. Meat Animal Research Center (MARC), Clay Center, Nebraska. The fermenters at MARC will have the capacity for waste from 10 to 12 head of cattle.

The research scale up is made possible by a grant from the Nation Science Foundation of $149,000.

Dr. Robert A. Rhodes, a microbiologist for Northern Laboratory will have the overall responsibility for the program.

The fermentation product is expected by Rhodes to have twice the protein value of the original waste. Cells of microorganisms, frequently referred to as single cell protein will make up most of the protein value.

Most of the disease-causing microorganisms are destroyed because the fermentation process is carried out at 50-60 degrees Centigrade (122-140, Fahrenheit).

Fermentation generates methane gas which can be burned as a fuel, but 12 head of cattle will not produce enough to power the fermentation process.

USDA has announced that a new $1 million line of CCC credit has been established to finance U.S. beef and dairy breeding cattle export sales to ranchers in the Republic of South Africa.

U.S. milk production in June was down one percent from the previous year making it the second consecutive month output has been below that of a corresponding month a year earlier.
EDITORIALS

There's A Solution for All Problems

It's always been said that every problem has a solution, and Florida's cow-calf producers have been searching for answers to their problem for many months now.

FCA is well aware of the plight of the producers and is presently working in coordination with the Florida Beef Council, the Florida CowBelles and the Florida Department of Agriculture & Consumer Services to further educate the consuming public on the state's beef production.

Such an educational program is of vital importance for the future of the industry. Additional outlets must be found for Florida-raised beef to relieve the pipeline. The beef market is here in Florida if we can supply it.

Around 750 million pounds of carcass beef was imported from other states to Florida in 1974. This amounts to around 1.5 million 500 pounds of carcasses. On top of this, 175 million pounds of foreign beef came into Florida last year. This has an adverse effect on our marketing of beef.

In order to keep a viable beef industry in Florida and to ensure its stability and growth, it can be readily seen that there is an imperative need to tell the consumer more about our product which can be consumed as veal, baby beef off grass, or Good beef from grass and supplement.

Opening up these additional consumer doors will result in expansion of other segments of the industry, too. It will mean more feedlots, more packing plants and more total outlets.

FCA President Gilbert Tucker says it will pay the consumer to invest in a deep freeze. During the surplus period between June and October each year, a deep freezer owner can purchase his beef from a custom slaughter plant and realize a substantial dollar savings by using the baby beef, short fed, or grass fed cattle. Properly prepared, it is tasty and nutritious.

It appears that the days of cheap grain have gone. Grain will remain high along with fuel and other energy components. Although there will always be a demand for Choice and Prime beef, that demand will not be as strong because of high input costs. Some Florida calves will go on to the feedlots, but we must establish an expanded market for the bulk of the state's beef production.

The information and education program now being formulated should serve to relieve current conditions and the backlog of calves. Right now it is estimated there are 1,500,000 plus calves and yearlings on Florida ranches. Recent USDA figures show that cattle and calves on Florida farms and ranches on July 1, 1975, were a record high 3,180,000 head. This is nine percent above last year.

If steps are not taken to reduce this inventory, a turn-around might be as long as two years away for any appreciable price increase. But with this planned program being readied to better inform the consuming public on the merits of Florida beef, a market will be provided for much of the production; hopefully at a fair price, too.

In going with this expanded program, FCA will need your support. Your association operated at a loss last year and this year we need to see more deductions made when you sell your cattle. FCA, the Beef Council, and the CowBelles are all doing their part for you. By doing your part, you will help and be helped in your marketing plans.

Together, the solution to the problem will be found.

Legislative Program is Important Phase

FCA's legislative program is an important phase of the well-being of the association and its members. The program serves as a watch-dog in protecting our rights.

Each individual can help, also, by being alert to proposed legislation that will be restrictive in nature to property owners, or be detrimental to the industry.

An example, we must all continue to be alert to proposals to abolish the Meat Import Act of 1964. We must keep it intact.
The calves shown in the above picture got P.D.Q. at an early age and they're conditioned to eating grass almost from birth under the ranch's program.

Heavy weaning weights are noted and the calves grown out with P.D.Q. kept before them at all times definitely show the advantages when they are put in the cow herd.

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Cowmen need higher profits in this time of rising costs, and the man from Superior can help you get them. He represents one of the very few fertilizer and chemical companies that is Florida owned and operated, so he has a working knowledge of the problems of Florida cowmen. And he knows his Superior products are manufactured under strict quality controls, guaranteeing you the same high-grade fertilizers and chemicals in every shipment. The man from Superior can also give you helpful tips throughout the year...things he has learned from extensive field work around the state. For instance, he'll advise you to fertilize your closely-grazed pastures right now, in order to insure peak grazing this fall and winter. Another tip is to watch carefully for army worms this month and next month, especially on newly-fertilized pastures. And did you know that now is the time to start planning on treating pastures for fire ants? These are the kinds of hints the man from Superior will give you, right along with the top-quality products of Superior Fertilizer and Chemical Company.