Annual pasture edition
Would you like to grow a larger framed calf this year with 80 To 100 Pounds More Gain? Those are the results you can expect from Nutrena's Calf Kwik creep feed. This palatable ration is designed to make full use of your calves growth potential. Plus, your cows will benefit by going into the winter with better condition.

Let's face it, creep feeding doesn't always pay. But this year Nutrena's Calf Kwik will put extra dollars in your pocket and doing this is the best way we know to earn your feed business.

We want to earn your feed business.

CARGILL
NUTRENA FEED DIVISION
4014-40th Street, Tampa, Florida 33601 Phone (813) 626-5171
WITH ONLY A LITTLE OVER TWO WEEKS REMAINING IN THE 1979 LEGISLATIVE session, the major issue to be resolved is the amount and method of tax relief for the citizens of Florida. The Governor's plan has not found favor in either the Senate or the House and those two bodies are still far apart in their proposals on the subject. Unless a compromise is reached soon, it appears likely that an extended session or a special session could be necessary. The matter of tax relief needs to be resolved in order to make final decisions on the state budget for the next two years and at this point, it does not seem that the chances are good that the legislature will come up with a program that will also satisfy the Governor.

AS REPORTED IN A PRIOR ISSUE, THE LEGISLATURE SURPRISED MOST OBSERVERS by coming to early agreement on the new Workers Compensation plan and passed the legislation which has been signed into law by the Governor. This was probably the single most important issue in the state and the elected officials responded to the concern by approving the new wage-loss concept. The law mandates at least a fifteen percent lowering of rates and many believe that the savings will exceed that amount. All those who were involved in the tremendous amount of work that resulted in the new plan have pointed out that there will be problems and that it will take time to make all the necessary adjustments. There is general agreement, however, that the new program will be a major improvement over the bad situation of the past years.

FCA LEGISLATION HAS MOVED WELL TO THIS POINT IN THE SESSION. THE bill to remove the conflict between state law and federal regulations concerning payment for livestock at the auction markets passed both houses early and the Governor signed the bill the last week in April. Our bill to exempt cattle and hogs from the implied warranty sections of the Uniform Commercial Code has passed all committees in both houses and should be considered on the floor very soon. A bill we have supported along with other agriculture groups to help correct the major problem of dogs killing cattle has also passed the committees in both the Senate and House and will be heard shortly by the legislature.

THE FINAL BILL OF MAJOR CONCERN TO FCA SPEAKS TO THE NEW PROGRAM for eradication of brucellosis in Florida. While the bill has moved through the necessary committees, we are having considerable problems obtaining the necessary appropriations commitment. This bill is predicated on approval by the USDA of the program and funding by Congress of the necessary funds to put it into effect. We are receiving fine cooperation in Washington from our Senators and Congressmen in this effort. Representatives of FCA will travel to Washington for a committee hearing this month to plead the case. We are continuing to work to obtain the necessary state appropriations and appreciate the help from our members from all over the state who have called or written their state Senators and Representatives asking their support in obtaining the funds. Please continue the good work.

AT THIS TIME IN THE SESSION, NO BILLS OF MAJOR PROBLEM FOR THE cattle industry or agriculture have been approved. However, the last few weeks of the session are always critical and we will be watching closely. PLEASE make your reservations for the annual convention now and also the group trip to Hawaii. Call the office if you have any questions on either.

---Jim Mummey, Executive Vice President---
Calendar

JUNE
1-2-Kerrville Brangus Days Kerrville, TX
2-Hughes Angus Day Elkhart, IN
2-RW Bar Club Calf Sale Ocala
3-Brinks Brangus Sale Kerrville, TX
4-Kruger Brothers Brangus San Antonio, TX
8-9-Fla. Santa Gertrudis Field Day Lake City
9-Cisco 5 Angus Day Murphyville, KY
9-Pender Beefmaster Sale Longview, TX
11-Cane Hereford Sale Demopolis, AL
11-Barnes herein Sales Lufkin, Texas
13-16-National SG Jr. Heifer Show Bremen, AL
16-Braunfield Field Day El Paso, TX
16-N. B. Hunt Ranches Heifer Sale Ft. Worth, TX
16-Volmering Beefmaster Sale Beverly, KY
16-Ga. Brahman Field Day Ray City, GA
16-Wiggins Brahman Dispersion Ashburn, GA
23-Brahman Field Day Kissimmee, FL
23-Florida Limousine Sale Lake City
27-29-FCA Convention Lake Buena Vista
30-Florida Club Calf Sale Tampa
30-Georgia Limousine Field Day Edisto, GA
30-American Brahman Sale Nikon, NY
30-Moore/Miller Beefmaster Three Rivers, TX

JULY
7-Enfinger Red Angus Sale Chumuckla
7-Payne's Cove/Whitue Beefmaster Sale Palatka, FL
11-13-ASA Summer Simmental Conf. Black Hills, SD
12-14-Fla. Feed Assn.'s Convention Port St. Lucie
21-Ga. Santa Gertrudis Field Day Alberts, GA
28-Beefmaster Field Day San Antonio, TX
30-31-American Angus Futurity Louisville, KY

AUGUST
4-Indian Summer Red Angus Sale Fayetteville, TN
4-Conoverdale Red Angus Sale Franklin, KY
4-Beefmaster Field Day Comanche, OK
5-Conoverdale Red Angus Sale Franklin, KY
24-Hillborough/Pasco Calf Sale Seffner
29-30-Florida Forestry Assn.'s Meeting Tarpon Springs

SEPTEMBER
7-8-Leo Jask Beefmaster Sale Pleasanton, TX
13-Canning's Coll. of Cow Knowledge Rousmont, NJ
15-Southeastern Beefmaster Sale Jackson, MS
22-Live Oak County Beefmaster Sale Three Rivers, TX
29-Young Acres PH Sale Valdosta, GA

OCTOBER
3-5-National Hay Convention Fort Walton Beach
4-Anings P. Hereford Sale Tallahassee
6-20-Muskogee Sale Kinseyville, TX
13-University of Florida Bull Sale Gainesville
19-Singletary PH Bull Sale Kissimmee
20-Beefmaster Beafmaster Sale Immokalee
20-Still House Hereford Bull Wauchula
22-Cowman's Beefmaster Bull Bartow
24-25-BBU 19th Annual Convention Corpus Christi, TX
26-South Texas Beefmaster Sale Robstown, TX
27-Blue Denim Angus Sale Scottsboro, SC
27-Florida Polled Hereford Bull Sale Arcadia
28-Briar Creek P. Hereford Sale Alma, GA

NOVEMBER
3-3-Rivers Brahman Breeders Sale Dothan, AL
9-Rocking C Beefmaster Sale McNeil, MS
12-13-Buffalo Kentucky National Louisville, KY
16-Florida Santa Gertrudis Sale Tifton, GA
28-29-Hereford Pen Show Bull Sale Bartow

DECEMBER
8-Fla. Angus Bull Sale Bartow
11-Corning Ranch Bull Sale Venice Beach
14-Adams Ranch Brahman Sale Ft. Pierce

ervice Issues of The Florida Cattlemen for 1979
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Feb...Horses and Rodeos
Mar...Brahmans
May...Animal Health
June...Florida Pastures
July...Better Bulls
Aug...Marketing
Sept...Continental Breeds
Oct...H&P Herefords
Nov...Angus
Dec...Charolais

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Judging Team Gets Honors

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S’Gertrudes Show Strong
Two Steer Shows Reported
Beefmasters Average $2559
Angus Exhibit at Palatka
Charolais Sale Averages $1257
Brahmans Show at Putnam Event
Brahman Sale Averages $1419

The Cover for June 1979

Our full color cover picture for this annual June pasture edition shows a group of cattlemen during a tour last fall at Bar Q Bar Ranch, Fort Pierce, where owner Barney Greene, Jr., showed his plantings of "Florida" Carpon Desmodium, a perennial tropical forage legume which has provided quality pastures when grown in mixtures with the permanent grasses.

OFFICIAL PUBLICATION


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Owned and Published by the Florida Cattlemen's Association

4 / THE FLORIDA CATTLEMEN / JUNE 1979
Increases Summer Weight Gains
In Your Growing and Fattening
Program For Weaned
Steers and Heifers
Therefore—
FEED
USSC’S SUGA-LIK NO. 5
16% PROTEIN high in total solids and sugar

ENERGY produces these important profit making results when you feed USSC’s Suga-Lik liquid feeds to:

Weaned Steers
1. Increased carrying capacity of pastures.
2. Increased weight gains and grade.
3. Increased resistance to diseases and increased general health.
4. Increased consumption and more efficient utilization of available roughage.

Weaned Heifers
1. Increased rate of growth and development.
2. Increased heat cycling and increased conception rate.
3. Decreased calving problems on first calves.
4. Increased conception rate at second breeding period while suckling her first calf.

If you have tried the rest, now try the best
Suga-Lik Liquid Feeds are produced and distributed by the United States Sugar Corporation. Please call our sales department for more information.

United States Sugar Corporation
Telephones: 813/983-8121, 983-7946
Grazing cattle?

Are you protecting yours from horn flies which can cut gains up to 1/2 lb per head or daily milk flow as much as 20%?

Check advantages of feeding Moor-Man’s® IGR Minerals®:
- Insect growth regulator stops horn flies before they fly
- Effective against horn flies resistant to conventional insecticides
- Economical—only pennies per animal daily
- Convenient—just feed and animals treat themselves
- No spray or other horn-fly controls needed when used as directed
- Minimum time and labor
- Only mineral feeders needed
- Provides base and trace minerals, vitamin D and 200,000 units per pound of vitamin A
- Can be used in milking ration
- Proven by 6 universities’ research plus ours
- Cattlemen bought enough in ’76-’77-’78 for summerlong feeding to 4 million head.

Get the details on IGR when the MoorMan Man stops to see you.

Editor’s Desk

Range conservationist says thanks for coverage

... Thanks so much for the excellent writing on the last tour of (Society for Range Management) ... These reports in your magazine are much appreciated by the membership as well as those who are notified of these tours in advance.

Lewis L. Yarlett

IFAS entomologist sends in article on mole crickets

Gainesville

Enclosed is an article ... to consider publishing in The Florida Cattlemen. As you know, mole crickets are a severe pest of pasture grass in Florida, and we would like to inform cattlemen of our new research project.

P.G. Koehler

Longtime reader comments on Cattlemen

St. Petersburg

Please change mailing address for (The Cattlemen) ... J. B., Jr., will continue to receive his copy at Odessa ...

I have never missed a copy since the first one issued. I believe the editor was the son of P. E. Williams. He worked hard in getting it started before AI and Bob Cody, who also did a great job in the early days.

J. B. Starkey

Latest Statistics

Commercial Slaughter and Average Weight (USDA)...

<table>
<thead>
<tr>
<th>Cattle</th>
<th>Swine</th>
<th>Sheep</th>
</tr>
</thead>
<tbody>
<tr>
<td>M Head</td>
<td>M Head</td>
<td>M Head</td>
</tr>
<tr>
<td>Wt.</td>
<td>Wt.</td>
<td>Wt.</td>
</tr>
<tr>
<td>April 1979</td>
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<tr>
<td>March 1979 (Fla.)</td>
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</tr>
<tr>
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<tr>
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Slaughter Under State Inspection, Head (AITC)...

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<td>4367</td>
</tr>
<tr>
<td>April 1978</td>
<td>4787</td>
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Brucellosis Testing (AITC)...

<table>
<thead>
<tr>
<th>Tested</th>
<th>Reactors</th>
<th>Vaccinated</th>
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</thead>
<tbody>
<tr>
<td>Calves</td>
<td>Sheep</td>
<td>Sheep</td>
</tr>
<tr>
<td>Beef Cattle, April 1979</td>
<td>39,183</td>
<td>1177</td>
</tr>
<tr>
<td>Dairy Cattle, April 1979</td>
<td>38,643</td>
<td>502</td>
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Livestock Prices Per Hundred (USDA)...

<table>
<thead>
<tr>
<th>Cattle</th>
<th>Cows</th>
<th>Strs. Hfrs.</th>
<th>Calves</th>
<th>Swine</th>
<th>Chickens</th>
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</thead>
<tbody>
<tr>
<td>Fl., April 15, 1979</td>
<td>$68.40</td>
<td>$56.00</td>
<td>$73.90</td>
<td>$39.00</td>
<td>$27.50</td>
</tr>
<tr>
<td>Fla., March 15, 1979</td>
<td>68.40</td>
<td>55.10</td>
<td>74.70</td>
<td>101.00</td>
<td>49.20</td>
</tr>
<tr>
<td>U.S., April 15, 1978</td>
<td>47.20</td>
<td>35.30</td>
<td>50.20</td>
<td>53.70</td>
<td>45.00</td>
</tr>
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</table>

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

<table>
<thead>
<tr>
<th>Corn (Bushel)</th>
<th>Hay, Baled (Ton)</th>
</tr>
</thead>
<tbody>
<tr>
<td>U.S., April 15, 1979</td>
<td>$2.24</td>
</tr>
<tr>
<td>U.S., April 15, 1978</td>
<td>2.24</td>
</tr>
</tbody>
</table>
Get the jump on fall bull buying season

Better Bulls of all breeds are important to Florida's commercial cow/calf programs.

The July issue of The Florida Cattleman will be the annual "Better Bulls" feature edition. Editorial content will focus partly on the role of proven bulls for increasing better production, along with research findings tailored to Florida, and current industry news.

It will also be a timely issue for purebred cattle producers to advertise and promote herds and bloodlines.

Get the jump on fall herd bull buying season. Advertise in the "Better Bulls" issue of The Florida Cattleman.

Closing date for reserving space is June 5. Call us and we will help with layout and copy.
began publisher/editor until joined by his brother Bob Cody, in 1946, when the latter took over the editor's position. Only three others have held the title of editor through the years, the late Bill Gephart, Harry Hammond of Gatlinburg, Tennessee, and the current editor. FCA purchased the publication in June 1978.

Subscriber moved, but wants to get magazine

Grand Turk Island

I bought a two-year subscription to The Florida Cattlemen and enjoyed reading it very much until I moved... I have not received an issue since November... I mailed a change of address notice... Thank you... I enjoy your magazine very much and look forward to receiving it again.

Richard Lemmond

Item on IFAS research furnished for publication

Ona

... (The) summary ... (regards) a variety release from IFAS. You will observe from the text that we are making this available as a grass having potential to some, cattlemen in some situations. It will not displace other varieties nor answer a lot of questions—just provide one more practice that may fill some needs.

Grass for increase plantings is expected to be available by mid-June, 1979.

The article is about Ona Star grass and appears on page 68 of this issue of The Cattlemen.

Reader sends picture of son receiving award

Wauchula

After seeing your cover for April, I thought you might be interested in this picture ... Steve (Durrance) has been a member of Florida Cattlemen's Association for several years, listed as 2-D Cattle Company.

Of course, his father and I have been members for a number of years. Gloria R. (Mrs. Willard K.) Durrance

We appreciate receiving the photo and happy to learn about the beef production award received by your Durrance from Sperry New Holland. The picture appears on page 66 of the May issue.

Advertiser wants to continue promoting product

Lake Wales

Attached is a rough outline of ad I'd like to start in the June issue... It would appear it would be to our advantage to go on the 12-time rate... We have been very pleased with the response we have had from the ads in The Cattlemen... Keep up the good work.

Mary L. Adsit

Adsit Dura-Cast Products

THE PATZ Model 350 manure spreader has corrosion resistant sides with wood bottom axle-connected hitch.

973—Patz spreader has control gear

The Patz 350 bushel (220 cubic feet struck level) Manure Spreader with a worm gear apron drive, driven by a hydraulic motor, controls the spreading rate by varying the apron speed from 0 to 15 feet per minute.

Spokesmen for the Pound, Wisconsin, based firm say combined hydraulic control of apron drive and optional end gate positioning lets the operator "fine tune" application in terms of rate and manure consistency. Other options include a choice of 540 or 1000 R.P.M. PTO and upper beater kit.

The Patz Model 350 Manure Spreader features positive lock apron chain, 25 inch diameter beater, walking beam tandem axles, corrosion resistant sides with wood bottom and a hitch that pulls directly on the axles, not the box.

For additional information check number 973 and return the form on page 8 of this issue.

Want More Information?

The Florida Cattlemen

Drawer 1403

Kissimmee, Florida 32741

Please get me information on the material below. (Check more than one box if you wish.)

Offer good until September 1, 1979

☐ 973. Patz Spreader
☐ 974. Round Bale Dispenser
☐ 975. Shoo-Fly Control
☐ 976. Koopers Fence System
☐ 977. Quonset Booklet
☐ 978. V.M.S Products
☐ 979. Cullor Sprayer-Feeder
☐ 980. Butler Buildings

Name

Address

City

State... ZIP...

Address: 406 P.O. Box V.M.S. Inc., Montgomery, Alabama 36101 (205) 834-6510
Toughest feeders in any pasture... won't rust, rot or splinter—ever.

You can't beat these Steel* Tuff feeders for durability. Their super-duty tubular steel and high-impact polyethylene construction means they can take the toughest weather or animal abuse—yet keep their new look longer. And without costly and time-consuming maintenance. Innovative trough designs assure nearly 100% clean-up every time. Count on Poli-Tron—for all your feeding needs.

POLI TRON

Double-capacity Turtle Back
U.S. Patents
D-205655
M-3324833

Weather-beating Twister

12' or 8' Bunk Feeders
U.S. Patent
No. D234,607

Bob Sharp
Tower Products Co.
991 Packinghouse Road
Sarasota, Florida 33580
(813) 371-0094

Poli-Tron, Inc.
Box 581-C
3001 Rouse Ave.
Pittsburg, Kansas 66762
(316) 232-2400

WRITE FOR FREE BROCHURE
OR CONTACT OUR FLORIDA DISTRIBUTOR

DEALER INQUIRIES INVITED

THE FLORIDA CATTLEMAN / JUNE 1979 / 9
Lightweight pigs should be sorted for best results

If given the proper attention, lightweight pigs, runts and tail-enders can perform as well as their heavier litter-mates. And at today's hog prices, they are worth the effort.

"Depending on who you're talking to, a baby pig is worth from $15 to $27 the minute it hits the ground," says Dr. Steve Haye, swine research specialist for Central Soya, Fort Wayne, Indiana.

Haye recently completed research study which demonstrates that light birthweight pigs can not only survive, but perform economically, if they can be segregated so that they do not have to compete with larger pigs.

In Haye's 13-month study, 431 light birthweight and late farrowed pigs were used. The pig's performance was measured during a 33-day nursery period. Of the group, 426 pigs survived, or 98.8 percent. The average starting weight was 8.86 pounds and the final weight averaged 27.54 pounds. Daily gain averaged 0.58 pounds on 1.03 pounds of feed, or a 1.8 feed-to-gain ratio.

"The post-weaning period is one of the most stressful periods in a pig's life. This stress is often compounded when lightweight weanling pigs are placed in nursery environments where they are allowed to compete with older, larger, pigs," says Haye.
If you buy eartags, this is the point you can't afford to miss.

The Allflex® Pin Piercing System. Still the only one that works.
In 1973, Allflex patented a breakthrough in eartag systems for cattle, sheep and hogs. The key is a super-sharp thin pin that surgically pierces the animal’s ear. Bleeding, tissue damage and infection are practically eliminated.

Look-alikes are not work-alikes.
The successes of the Allflex system has led others to attempt to copy us. But Allflex patents prevent duplication. So our competitors have had to settle for an inferior design—one where a solid-headed male stem is pushed through the animal's ear on the end of a blunt shaft. Plenty of chance for wobble.

Why gamble?
Be sure you get the proven, patented Allflex system. There's still nothing like it.

HANFORD
Eastern Marketing Agent:
G. C. Hanford Mfg. Co., Box 1017,
Syracuse, N. Y. 13201.

They go in fast... and go in for good.
For Florida Cow-Calf Men:

The Big Blue Management Tool

Management is the key to a successful beef or dairy operation. And the Harvestore System is the key to good management. Use it to store any kind of forage for use when you need it. This is needed in Florida especially due to the extended periods of slow growth common during Winter cold and Spring Drouth. Harvestores are being used successfully on a sizable number of Florida dairies and ranches. Phone for an appointment at your ranch or farm, or write for our guide to Flavestore processed forages.

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

Trojan Distributor
W. C. Pigg
Phone (405) 772-2801
Box 69A, Route 6
Weatherford, OK 73096

• Hydraulic Chutes (3 sizes)
• Triple Duty Chutes
• Calf Tilt Machine

THE COW PREGNOSTICATOR
a new approach to pregnancy testing
SOON AVAILABLE

"Our program calls for segregation of small pigs according to size in pens where they have 2.5 square feet per pig," he said. "Mixing litters after weaning is not as important a consideration as is maintaining size uniformity."

Central Soya research uses flat-deck cages to pen the lightweight pigs. The flooring is either aluminum slats or perforated metal raised eight inches above the concrete floor.

"The flat-deck cages help maintain a dry, clean environment that is also critical at weaning time," said Haye.

Haye uses neo-terramycin in the water during the first five to 12 days after weaning for disease control.

"The important thing to remember is that lightweight pigs can perform as well as other pigs if they are not put in a competitive environment," says Haye.

"While some feeders will not take the trouble to segregate according to size because of the extra labor involved," he adds, "they are making a trade-off with increased hospital care and inefficient performance if the pigs are mixed with larger hogs."

974—Company has round bale dispenser

Turnbow Manufacturing Company, Oilton, Oklahoma, has announced the development and production of the Round Bale Dispenser, an all-hydraulic hay feeding system that allows one man to feed 1,000 head of cattle per hour.

Ranch tested for five years, the equipment can handle all standard bales (from 800-2,500 pounds) and now allows one person to do a job formerly accomplished by six men in an 8-hour shift. Ranch hands can be taught to use the dispenser in just 15 minutes.

Bales are easily loaded onto the dispenser's tilt pallet, which has a revolving drum. The machine hauls the hay to the feeding area, and with the use of two reversible drums, distributes feed to the cattle in an even manner no matter which direction the hay is wound.

Side panels insure that all parts of the bale are guided into the dispenser drums and evenly distributed on the ground. The equipment features heavy-duty materials, excellent workmanship and a low-maintenance design.

For a free brochure check number 974 and return the form on page 8.

Conner names O’Brien to investigative post

Commissioner of Agriculture Doyle Conner has appointed John O’Brien, 33, as chief of the livestock theft investigative unit in the division of animal industry, Florida Department of Agriculture and Consumer Services.

O’Brien has been a deputy sheriff in Jackson County for the past two years and was shift supervisor and crime investigator there after six years as a Leon County deputy sheriff and almost three years with the Florida State University campus police.
Proven through progeny

Sugarland's "Superior-Meat-Type" Brahmans are the sires of one of the largest F1 crossbred herds in the Southeast. They exhibit their superior beef characteristics through the cow herds, into their calves, and in the feedlot. Sugar bulls are bred to produce a profit through performance.

Buy "Sugar"
Invest in the future of your crossbred and purebred cattle

SUGARLAND RANCH

Owned and operated by U. S. Sugar Corporation
Telephone 813/983-8121 • Clewiston, Florida 33440
Tramisol®
It pays off better because it works better.

<table>
<thead>
<tr>
<th>Control</th>
<th>Tramisol® Injectable</th>
<th>Tramisol® Drench</th>
<th>Phenothiazine</th>
<th><strong>TBZ-6</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>No. Steers</td>
<td>30</td>
<td>30</td>
<td>31</td>
<td>31</td>
</tr>
<tr>
<td>Initial wt. lb</td>
<td>440</td>
<td>432</td>
<td>436</td>
<td>436</td>
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<tr>
<td>Total gain, lb</td>
<td>334</td>
<td>362</td>
<td>385</td>
<td>327</td>
</tr>
<tr>
<td>Average daily gain, lb</td>
<td>1.69</td>
<td>1.83</td>
<td>1.94</td>
<td>1.65</td>
</tr>
<tr>
<td>Added value of gain above control, $</td>
<td>10.19</td>
<td>19.24</td>
<td>-2.99</td>
<td>5.47</td>
</tr>
</tbody>
</table>

While other dewormers talk about what they don’t do, we want you to know what TRAMISOL® levamisole does best. Things like giving you greater gains and saving you more money than any other dewormer. That’s the Tramisol Payoff.

*Mississippi Agricultural and Forestry Experiment Station 3-year summary of average performance of steers given anthelmintics before winter grazing (198 days). Based on steer price of $39/cwt., less cost of anthelmintic. **Trademark of Merck & Co., Inc.

O’Brien graduated in 1963 from Daytona Beach Seabreeze High School, attended Daytona Beach Community College and took his associate and bachelor’s degrees at FSU in criminology. He has completed course work for his master’s degree in criminal justice at Eastern Kentucky University, Richmond, Kentucky, and has been a police standards instructor at Chipola Junior College, Marianna.

O’Brien, who grew up in Ormond Beach, now is interviewing candidates for field investigator positions in south and central Florida. The two vacancies were a result of one retirement and a resignation for a higher-paid position in private investigation work. O’Brien says he hopes to fill the two field positions by May.

The unit has four field investigator positions. The field investigators assist local law enforcement agencies in solving livestock and other farm theft and are of material assistance in some cases because they are not restricted by county political boundaries.

975—Product keeps flies and ticks off cattle

Mike Wright, president of Livestock Fly Control Company of Arnold, Missouri, has announced the introduction of a new product that keeps flies and ticks off cattle. The product is called "Shoo-Fly®" and is designed for the prevention and control of pink-eye.

The device is clipped to the animal’s ear and a combination of controlled release insecticide and the flicking action of the two wick-like “tails,” repels the insects, Wright said. One application lasts all season. The product is equally effective on beef and dairy cattle.

Wright said, “This product began as the humanitarian dream of one man and has grown into the dedicated belief of a much larger group. It represents over 15 years of development and University and field testing on thousands of cattle. The product holds both U.S. and foreign patents.”

For more information check number 975 and return the form on page 8.

Pasture management book available

“Profitable Pasture Management” is a complete volume on the details of forage production and utilization, including soils preparation, varieties to be used, fertilizer treatments, management practices, and other information needed for a successful program.

The book is authored by Roy A. Chessmore, vice president for agriculture, The Kerr Foundation, Inc.

The book also covers the basic principles of livestock production and the economic information necessary to be successful in a livestock-forage program. Based on research from experiment stations and from experiences of leading cattlemen, the...
The Payoff.*

<table>
<thead>
<tr>
<th></th>
<th>Control</th>
<th>Tramisol® Injectable</th>
<th>Tramisol® Drench</th>
<th>Phenothiazine</th>
<th><strong>TBZ-6</strong></th>
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<tr>
<td>No. Steers</td>
<td>30</td>
<td>30</td>
<td>31</td>
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<tr>
<td>Initial wt. lb</td>
<td>440</td>
<td>432</td>
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<tr>
<td>Total gain, lb</td>
<td>334</td>
<td>362</td>
<td>385</td>
<td>327</td>
<td>350</td>
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<tr>
<td>Average daily gain, lb</td>
<td>1.69</td>
<td>1.83</td>
<td>1.94</td>
<td>1.65</td>
<td>1.77</td>
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<tr>
<td>Added value of gain above control</td>
<td>$10.19</td>
<td>$19.24</td>
<td>$-2.99</td>
<td>$5.47</td>
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</tr>
</tbody>
</table>

While other dewormers talk about what they don’t do, Tramisol® levamisole wants you to know what it does best. Things like giving you greater gains and saving you more money than any other dewormer. That’s the Tramisol Payoff.

*Mississippi Agricultural and Forestry Experiment Station 3-year summary of average performance of steers given anthelmintics before winter grazing (198 days). Based on steer price of $30/cwt, less cost of anthelmintic.

**Trademark of Merck & Co., Inc.
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KOPPERS COMPANY has introduced a farm and ranch fence system using pressure-treated posts.

book includes information that is how-to-do-it oriented.

For information on how to obtain a copy, which is listed at $13.95, write The Cattleman Press, P.O. Box 1403, Kissimmee 32741.

976—Koppers introduces farm, ranch fence system

A farm and ranch fence system which combines pressure-treated wood posts and high tensile wire to form a strong, long-lasting barrier, is being introduced in the U.S. by Koppers Company, Inc., Pittsburgh, Pennsylvania.

Called the High Tensile Wire Fence System, the fence consists of strands of smooth wire held in tension along pressure-treated wood posts. Koppers can supply all components—posts, wire and hardware items.

The system uses strained high tensile smooth wire for a fence that may be adapted to meet specific needs; offers simple maintenance and reduced handling problems; may be installed by one or two people; and minimizes animal hide damage.

The pressure-impregnated posts and end assemblies will take heavier loads at a lower cost per mile than any commercially available alternative. The greater strength of the posts allows wider spacings along the fence line, spokesmen say.

For excessively wet conditions or soft soil, best results are obtained by increasing the standard embedding depth of the posts—an example of the flexibility of design allowed by the use of timber fence foundation. Standard preservative for the posts is creosote; however, they may be treated with other chemicals by Koppers.

The wire recommended and distributed by Koppers is Max Ten® 200, a galvanized wire produced by United States Steel Corporation. It has a 200,000 psi minimum tensile yield strength, meeting or exceeding the most demanding standards for animal control. Its high elastic limit eliminates most of the common stretch or sag problems that result when weight is
Cattlemen on test ranches across the country have said their cows "look better," "stay in better condition," "breed back faster," when given Sup-R-Lix® compared to cattle fed conventional liquid supplements.

Performance improvements like those are built into Sup-R-Lix®. It's homogenized, so the complete nutrition your cows need stays uniform from tank top to tank bottom. Your cows get a nutritionally complete supplement every time they lick the wheel. And you can get the performance complete nutrition delivers.

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For building beauty and maximum usable space, check out Butler’s LRF-15 agricultural buildings. Loaded with product features and customer benefits, LRF-15 is ideal for feed, grain and seed facilities; livestock housing; indoor horse arenas; and machinery storage. See us for details on the LRF-15.

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Sales & Service Inc.
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Phone 813/247-5649
Harold Still 813/949-7154

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*Squeeze Chutes
*Portable Corrals

Palco Automatic Equipment
Clay Equipment
Conrad-American

The fence may be built with various wire configurations based on the type and size of animals being restrained by the fence. Erection is simple and, for most fences, requires no unusual equipment. The durability of the pressure-treated posts and the tensile strength of the Max Ten® 200 wire help reduce maintenance.

Initially, two major styles of High Tensile Fence will be sold: A 10-wire and an 8-wire system. Post spacings are on 16 ft. centers. By using pressure-creosoted hardwood Dropers™, which are engineered to maintain wire separation, post spacing for the 10- and 8-wire systems can be extended to 60 ft. maximum for non-electric fence on relatively level terrain. Again, post spacing will vary due to terrain and design.

There are two types of Dropers. The Multi-groove Dropper is creosote-treated hardwood, with the fence wire being attached with a wire clip. The Dropper is grooved every inch for any wire spacing necessary. This Dropper is ideal for a six or ten wire, electric or non-electric system.

The second type of Dropper is the Angle-groove Dropper. It is alternately grooved at an angle so that when a 250 pound tension is pulled on the wires, the gripping-action of the pressure creosoted hardwood brings the wire straight and "locks" the Dropper to the wire. This is principally for 8-wire fence (electric and non-electric) only, since there are eight grooves on the Dropper.

For additional information check number 976 and return the form on page 8 of this issue.

Noba offers beef sire directory

A newly published Beef Sire Directory is just off the press and available from Noba. This 1979 book contains pictures, pedigrees and complete details on 63 bulls from 18 different breeds, including some of the nations most popular sires.

The 1979 Noba Beef Bull Book can be obtained by contacting, Noba, Inc., P. O. Box 607, Tiffin, OH 44883 or phone 419/447-6262.

977—Quonset has booklet for farm building planners

Anyone who owns a farm needs the new Farmer’s Building Guide just issued by Quonset, Houston, Texas, the agricultural division of National Steel Products Company.

Farm building planners will find help in things they might not have expected—like the five essential items a farm building has to have and 10 ways to avoid expensive mistakes in planning farm buildings.

Quonset’s guide shows how much space is needed in each part of hog building and feedlot operations—and how much difference there is in space placed against conventional fence wire.

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When you're looking for a THRIFTY, CONVENIENT way to provide your animals with year-round worm control, look for PHENOTHIAZINE in loose mineral or medicated blocks.

Phenothiazine products cost just pennies per day to feed. And they require no extra handling of your animals. In addition, they provide control of horn and face flies, the major fly problems in pastures.

So when you want a product that provides both worm and fly control, look for PHENOTHIAZINE in the list of ingredients. Then you'll be sure of providing your animals with the best possible product for year-round worm control, plus control of horn and face flies.

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START YOUR YEAR-ROUND PROGRAM TODAY!

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SWEETLIX® All-In-One Block Medicated
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• Contains adequate amounts of Protein, Calcium, Phosphorus, Trace Minerals, and Vitamins to supplement normal feeding conditions.

SPRING & SUMMER
SWEETLIX® Fly & Worm Control Block Medicated
• Delivers phenothiazine to the animal for control of stomachworms, nodular worms, large-mouth bowelworms, and hookworms.
• Aids in preventing the breeding of horn flies and face flies in the manure of treated cattle.
• Provides the added nutrition of cane blackstrap molasses, Vitamins A and D, salt, and trace minerals.

IF LOOSE MINERAL IS YOUR CHOICE
Staley® Loose Mineral No. 10
• Delivers 2 grams of phenothiazine per day per animal when fed free choice.
• For the control of stomachworms, nodular worms, large-mouth bowelworms, and hookworms.
• Prevents the breeding of horn flies and face flies in the manure of treated cattle.
• Contains 10% Phosphorus from highly available sources.
• Contains Vitamins A and D and trace minerals.
FARM BUILDING planners will find help through the building guide published by Quonset of Houston, Texas. Requirements in buildings for breeding stock, the farrowing house, and the growing and finishing areas.

Dairy cattle need different facilities from beef animals, and the guide shows just what the differences are. There is sound advice on storing both grain and grain-harvesting equipment—all sorts of farm machinery, in fact.

The guide also offers tips on how to make sure a fast-talking salesman doesn’t disappear with farm improvement dollars, leaving a second-rate building, or no building at all, behind him.

For a copy check number 977 and return the form on page 8.

Double-crop silage cuts weeds, boosts output

A two-crop silage system can wallop your weeds and top any feed production system you’ve ever tried, says Sperry New Holland’s Larry Fisher.

It’ll only work as far north as winter grain production, admits Fisher, who is product manager for forage equipment at New Holland. But it’s a winner from there south.

For example, corn silage harvest in the fall gets fields cleared earlier, before most grassy weeds have dropped their seed. Mixed with the silage, the weed seed germination is destroyed and the grass and seed make some contribution to the feed in volume if not in quality. In any case, there’s less weed seed lying out in the field to cut into next year’s crop.

The silage also comes off the field in time to seed winter wheat, barley or rye. This small grain crop makes good use of any leftover fertilizer from the corn crop. It also comes on strong in the spring. By corn planting time, you can take off a robust yield of silage—call it barlage, wheatlage, or ryelage, says Fisher. By any name, it’s a headstart on the next year’s forage need.

With a wide-cutting mower-conditioner you can cut the crop in a hurry and get it wilted down to a
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SPERRY New Holland says double-crop silage is one way around weed problems.

moisture content to make attractive feed in plenty of time to hustle in another corn silage crop, according to Fisher.

This early spring silo fill is a nearly free ride in silo cost because your silos will have space for the small grain silage come spring. And the additional feed is very nice to have in the summer when pastures shrivel up. Come fall, you'll have the silo space available for corn again, Fisher points out.

In addition to the high potential production from the double-threat 2-crop routine you get a very important bonus in weed control management. By harvesting everything from the ground up as silage twice a season, you largely prevent weeds from going to seed.

Fisher points out weed seeds lie dormant a long time so you need a number of years without additional weed seed production before you can get on top of a problem. In the meantime, you can hold weeds down to prevent much competition for plant food and moisture. This will become a more important consideration as scarce oil pushes up herbicide cost. It's also one way around the "escapes" weed problems caused by continuous use of herbicides that only get "most" of your problem weeds.

978—V.M.S., offers products for swine, horse use

V.M.S., Inc., Montgomery, Alabama, has announced that its product En-Pro-Al Molasses-Mineral Block has been formulated for use by swine raisers and horse owners.

The new swine block comes as a result of approximately two years of study and research by the animal nutrition experts at V.M.S. It combines all of the features of En-Pro-Al plus a combination of all major minerals, trace minerals and vitamins A, D and E in high levels. The blocks can be fed without special feeders or racks and come individually packaged in boxes weighing 40 pounds. The blocks are designed for all ages of swine.

The En-Pro-Al supplement blocks for horses contains high energy along with a medium level of protein from five natural sources. All essential major minerals are included plus trace minerals and vitamins.
Big yields are remembered longer than big fertilizer discounts

Don't compromise in spring... when what you need is yield insurance come fall. These days, you can't afford not to get every nutrient needed in your fertilizer. After all, what's a pound of zinc—or a few ounces of manganese—really worth? With Rainbow, it can be the difference between bumper yields and the county average. Soil testing by folks with 50 years of experience. A premium program for premium profits. Rainbow, International Minerals & Chemical Corporation, Mundelein, IL 60060.

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42-Foot Flatbed hauls up to 4 tractors or 500 bales of hay.

THE UPJOHN Company's facilities were visited recently by a group of University of Florida veterinary students.

During the two years of research on this product, periodic field trials were conducted which indicated that consumption of the new supplement would be from four to six ounces per day. The blocks may be fed with or without a covered feeder as weather and the elements have little or no effect on the blocks.

For more information on the En-Pro-Al blocks for swine and horses check number 978 and return the form on page 8 of this issue of The Cattleman.

Future veterinarians visit Upjohn facilities

University of Florida veterinary students recently toured the Kalamazoo, Michigan, facilities of The Upjohn Company. Upjohn is one of the largest manufacturers of human and veterinary pharmaceuticals in the nation.

The University of Florida veterinary students' visit featured a guided tour of Upjohn production facilities and the company's veterinary research farm. The university students also met with a panel of Upjohn agricultural research and marketing personnel for a question and answer session.

The visit by future veterinarians from the University of Florida is part of The Upjohn Company's educational service to the veterinary profession.

979—Kansas company has sprayer-feeder line

Cullor Enterprises, Inc., of Fort Scott, Kansas, has marketed a sprayer-feeder they claim can save users time and energy and is also a money-saver.

How does the Cullor Sprayer-Feeder work? Quite simply, according to the company. It automatically sprays cattle with a fine mist of insecticide each time they get salt or mineral.

Spokesmen point out unlike dust bags or chain oilers—which begin treatment only after infestation has taken place—the sprayer-feeder works continuously, automatically, to prevent parasite problems before they develop.
VARIOUS types of mailboxes are to be found in the newly published book entitled “Mailbox Mania” as shown in the photo above.

They call this “revolutionary” and a major breakthrough in parasite control.

Efficiency is also claimed because the sprayer-feeder enables stockmen to feed and spray cattle at the same time in one automatic operation. Also, says Cullor, it’s economical because no other spraying method can do such a thorough, effective job for less money.

Testing in initial marketing areas by university and private programs and customers shows, according to the company, that the Cullor method is “the best livestock spraying system ever.”

For more information check number 979 and return the form on page 8.

Cosby-Hodges staff change announced
C. L. Alsbrooks, Jr., president of Cosby-Hodges Milling Company, Birmingham, Alabama, has announced the appointment of Ted Reed to the position of vice president, purchasing and traffic. Reed was formerly the firm’s director of purchasing.

The company produces and markets livestock and poultry feeds, as well as dog food. Its general lines of dog food and feeds are marketed under the “Jazz” and “Field and Show” labels.

Book offered on ‘mailbox mania’
Over 100 photos of one-of-a-kind country mailboxes created by rural families are featured in the newly-released “Mailbox Mania” book.

The book, which also features a number of articles about the lives of rural mail carriers, curious historical mailboxes, and mailbox-decorating customs, is an offshoot of the successful “Mailbox of the Month” contest sponsored for a number of years by Farm Wife News magazine.

The book Mania is divided into 18 chapters, with unique and interesting photos of mailboxes perched in tree...
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* U.S. Department of Agriculture reports show that only 8% of the posts treated with PENTACHLOROPHENOL were lost, compared to a 39% loss with the best creosote used. Coleman Evans uses Southern Yellow Pine cut from live, sound timber, machine peeled and straight bodied. It is treated in accordance with specifications of the American Wood Preservers' Assoc.

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NAILS — Bright or galvanized.

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DESIGNED especially for farmers and ranchers, Butler's latest building design is available in a choice of 11 colors.

trunks, soldered from assorted farm tools and scrap metal, and even shaped like the old-time Pony Express ponies. The 100-page book sells for $2.95 and is filled with the first-hand stories of mailmen on horseback, motorcycles, railroads and foot, who delivered the mail to country homes "through snow and rain and gloom of night," from nostalgic days all the way to the present time.

To order copies of "Mailbox Mania," write to Country Store, 611 E. Wells Street, Milwaukee, WI 53202. Include 50¢ for postage and handling.

980—Butler introduces added building line

A newly developed line of all-steel farm buildings has been introduced by the Agri-Products Division of Butler Manufacturing Company. The new Ag-Master 2:12 building is available in a broad range of sizes, designed to meet requirements in various parts of the nation.

Designed especially for farmers and ranchers, the Ag-Master 2:12 building features a 2-in-12 roof pitch, attractive trim, and optional guttering and downspouts. The pre-engineered, clear-span building also features large, factory-located doors in both the endwalls and the sidewalls. Other accessories include pre-finished walk-in doors, windows, roof ventilators and Lite*Panl skylights. The Ag-Master 2:12 building is available in a choice of 11 factory-applied colors.

According to the manufacturer, the building is designed for easy erection, and is suitable for many uses—machinery storage, grain storage, or a combination of the two; farm shop; animal housing; or general utility. The Ag-Master 2:12 building is marketed through a nationwide network of independent businessmen, known as Butler Agri-Builders.

For more information check number 980 and return the form on page 8.

Y-Tex Corporation announces Florida distributors

Y-Tex Corporation, Cody, Wyoming, has announced a list of Florida firms handling the company's All American
“Snap-Lok” ear tag system.

Y-Tex says the tag is a two piece button type tag that gives positive straight-line “Snap-Lok” application plus much more.

Florida Lime appoints Beamon vice president
W. E. “Willie” Beamon, of Yalaha, has been appointed vice-president of ag products sales for Florida Lime and Dolomite Company in Ocala.

Beamon comes to Florida Lime and Dolomite from Dixie Lime & Stone Company, where he was general marketing manager for their rock, ag-lime and chemical products divisions. Beamon was associated with Dixie Lime & Stone for 13 years.

Willie and his wife, Erma, reside in Yalaha.

Established in 1972, Florida Lime and Dolomite Company has become a leader in the agricultural limestone market in the southeast. Florida Lime distributes Dolomite, Hi-calcium Lime-stone, Aragonite, Fairfield Slag and Gypsum for the agricultural market.

“Beamon’s appointment is another reflection of our faith in the unlimited future of Florida agriculture. His experience will enable our growing firm to better serve our customers’ needs,” says Fred Montsdeoca, Florida Lime and Dolomite Company president.

Weed control important for pasture improvement
“In a short-term price squeeze, or, specifically, in 1979, if I had to choose between weed control or fertilizer practices for pasture improvement, I’d pick weed control,” said Dr. Vance Watson, research agronomist at Mississippi State University and guest speaker at a series of pasture weed control meetings held recently by Velsicol Chemical Corporation, Chicago, Illinois.

Florida beef and dairy producers from the Okeechobee, Immokalee, Wauchula, Mango, Belle Glade and Kissimmee areas heard Watson say the best results in pasture weed control depend on a combination of weed control, fertilizer and good management, but that weed control offers the farmer the greatest single advantage when all three practices are not affordable.
1943: Jacksons entertained Alachua cowmen

A feature article covered the Alachua County Cattlemen’s Association meeting which was hosted by Mr. and Mrs. A. L. Jackson, Gainesville, and attended by 150 members, families and friends... Parkdale Farms near Largo reported a Guernsey-Jersey cow gave birth to twin heifer calves... A field day was held at the Range Cattle Experiment Station, Ona.

1953: Pasture progress was noted

An article by E. M. Hodges, D. W. Jones and W. G. Kirk of the experiment station at Ona pointed out pasture progress in Florida has been made as a result of research conducted at the station... Five hundred cattlemen attended the University of Florida’s Livestock Producers’ Day... Zibe Williams and E. P. Scarborough purchased the Okeechobee Livestock Market.

1963: Manatee County hosted convention

The annual mid-year conference at Bradenton of the Florida Cattlemen's Association was hosted by the Manatee County Cattlemen's Association... A feature of the annual Beef Cattle Short Course was a tour of the V. E. Whitehurst and Sons Ranch near Williston... A feature story covered the pasture program at the Brightomin Seminole Indian Reservation.

1973: FCA sweetheart was featured on cover

Debbie Floyd, Cross City, FCA’s sweetheart, was featured on the June pasture edition cover of The Cattleman in a photo taken at the Beef Research Unit at the University of Florida... M. E. “Max” Hammond, Bartow, was named “Man of the Year” by the Eastern Brahman Association... C. M. Payne & Son, Inc., Sebring, seed harvesters and processors, were featured in a story which covered benefits available to cattlemen from harvesting grass seed... A. Duda and Sons, Cocoa, announced plans for their first Brahman production sale.
Could you get 5 tons of beef out of a drum of Weedmaster® Herbicide?

Spraying permanent pasture with Weedmaster® herbicide to increase carrying capacity can pay astonishing dividends. For example, university tests have shown crude protein production jumped 500 or 600 percent following Weedmaster applications. And when the quantity and quality of forage goes up, so does beef production.

The value of Weedmaster in your pasture depends on a number of variables, of course. Grazing pressure, weather, type of cattle and other inputs can all affect bottom-line performance. But there's no doubt that suppression of noxious weeds with Weedmaster is the practical way to unlock a pasture's beef-making potential.

Your Velsicol representative or distributor can help plan a Weedmaster program based on your specific weed problems and the kind of goals you want to set for brood cows or calves. Look over his cost-and-return figures. And don't be surprised if you see a projection for five tons of extra beef—or more—from a drum of Weedmaster.

For assistance or information, contact
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Before using any pesticide, read the label.
Limousin breeders meet

Members of the Florida Limousin Breeders Association held a meeting in conjunction with the Beef Cattle Short Course, May 2-4, at Gainesville. Officers were elected at the meeting. They were: Gladys Freeman, Okeechobee, president; Maynard Osborne, Davie, vice-president; Jonell Webb, Maxville, secretary; and George Adams, Jacksonville, treasurer.

Four directors were re-elected, they were: Paul Emery, Quincy; Freeman; H. M. Shirley, Palatka; and Barney Greene, Vero Beach. Three new directors were appointed at large by the president. They include: Carl Petterson, Jacksonville; Lance Ham; and Jim Simmons, Ocala. Other directors are: W. E. Webb, Maxville; Art Schrader, San Antonio; and Rick Williams, Ocala.

George Adams gave a report on the “Super Summer Limousin Sale” the association is planning for June 23, at 1:00 P.M., Lake City, at the Columbia County Fairgrounds. Adams also mentioned there would be a youth judging contest at 10:00 a.m. with $200 in prize money to be given to individual winners.

A & R, Osborne, and Lasher take championship honors at Palatka

Winners at the open Limousin cattle show held at the Putnam County Fair, Palatka, listed by class to the first three places, with the number of entries shown in parentheses, follow:

- Spring calves, calved 3/1/78 and after (1)—AEWF 2K Miss Osceola (reserve junior champion), A. E. Whaley, Kissimmee; AEWF 3K Miss Kissimmee, Whaley, Miss A & R 42, A & R Farms, Bradenton;
- Senior calves, calved 9/1/77 thru 10/31/77 (1)—Miss Simmons 504 (reserve grand champion, junior champion), A & R;
- Spring yearlings, calved 3/1/77 thru 4/30/77 (1)—Miss Elmar (grand champion, senior champion), Osborne, Davie.

Senior calves, calved 9/1/77 thru 10/31/77 (1)—TOPW El Macho 513 (reserve grand champion, calf champion), Lasher Feed Limousin Ranch, Okahumka;
- Late Summer yearlings, calved 7/1/77 thru 8/31/77 (1)—Pure Eclair (grand champion, junior champion), A & R;
- Two bulls (1)—A & R;
- Pair of calves (1)—A & R;
- Pair of yearlings (1)—A & R;
- Produce of dam (1)—A & R;
- Get of sire (1)—A & R;
- Five heifers (1)—A & R.

A & R FARMS, Bradenton, showed the grand champion Limousin bull at the Putnam County Fair.

OSBORNE Cattle Company, Davie exhibited the grand champion Limousin female at the Putnam County Fair.

Lasher Feed Limousin Ranch, Okahumka, owned the reserve grand champion Limousin bull in Palatka.

RESERVE Grand Champion Limousin female was exhibited by A & R Farms, Bradenton, at Palatka.
Fourth Annual

SUPER SUMMER SALE

Saturday, June 23, 1979—1:00 P.M.
Columbia County Fairgrounds, Lake City

70 Top Quality Consignments
of Purebred to 50% Females
& Purebred to 75% Bulls.

Consignors:
Top O' the Hill Farms
Greene's Groves & Ranch
Adams Limousin of N. Fla.
Grand Junction Farms
Tijon's Limousin Coral
A. H. Schrader, Sunset Ranch
Freeman Cattle Company

Lazy Lakes
Clint McKee
H. M. Shirley
Jon W. Brown
Paul Emery
Lance Ham
Osborne Cattle Company
Carl Petterson
Gingerbred Farms
Janeann Knight
Jim Knight III
Ernest Buchanan
Edward S. McQueen

YOUTH JUDGING CONTEST
10:00-11:00 A.M., $200.00 in prize money.
Prizes will be awarded on an individual basis.

Lunch will be available at the sale.

FOR CATALOGS:
George Adams, sale chairman
904/771-8769
6114 Ricker Road, Jax. 32210
or
Gladys Freeman, president
P. O. Box 636—813/763-3610
Okeechobee, Fla. 33472

AUCTIONEER:
C. K. "Sonny" Booth
Miami, Oklahoma

SALE HEADQUARTERS:
Best Western Inn
904/752-3801
U. S. 90 & I. 75
Rt. 8 Box 258
Lake City, Fla. 32055
904/752-3801
Make your reservations early
For fly control that works fast—
then lasts. Protect your cattle. Zap irritating
disease-carrying lice, ticks, and flies with Ravap. It pro-
vides the long lasting residual control you need.
Ravap easily mixes with oil in backrubbers or with water
for spraying. And for a complete fly control
program, start with Rabon Oral Larvicide to
stop fly population buildup before they hatch
into a problem.
Always follow label directions.
SHELL CHEMICAL COMPANY, Animal Health,
One Shell Plaza, Houston, TX 77001
Annual field day at Chipley draws crowd

The seventh annual field day at the Chipley Beef Demonstration Unit, Chipley, was held April 5 with around 100 in attendance. The program was opened by A. F. Jelik, area livestock specialist at the AREC, Quincy.

Special guests were introduced by Don Hargrove, assistant chairman, animal science department, University of Florida, Gainesville. He welcomed those present and presented a five year service pin to James A. Clemmons, manager of the BDU.

Speakers heard giving informative talks on various aspects of beef cattle production were Hargrove on a new method of classifying Florida calves as to type, frame and physiological maturity scores; Jelik on selection of herd replacement heifers; F. S. Baker, Jr., animal scientist at Quincy, on growing stockers on annual pastures; John Creel of C & L Farms; Jay, on winter grazing in a double cropping system; Charles Walthall, beef specialist from Crestview, on the importance of cattle scales in a beef operation. Walthall also conducted a contest so that all present could check their skill at weight estimation.

Eight top winners in the weight estimation contest were awarded prizes from Ron-Don, Chipley; Wells F.R.M. Store, Chipley, and Mineral Consultants of Malvern, Alabama.

The Washington-Holmes Cattlemen’s Association served lunch which was followed by demonstrations on implanting growth stimulants; frame score classification, and winter plantings of rye, Rye grass and clover pasture.

Georgia Limousin field day set

The Georgia Limousin Association has scheduled a field day on June 30, 1979, at Rocking E Limousin Ranch, Edison, Georgia.

Registration will start at 10:00 a.m., followed by a Limousin judging contest for juniors and adults. Prizes will be awarded to the first three places. As a special attraction, a Limousin steer or heifer will be awarded to the top junior judge.

A “Limousin earthen roast” lunch will be served at 12:00 noon, complements of Rocking E Ranch.
Producers get word on genetic adaptation at Beef Short Course

Genetic adaptation was the featured topic of discussion at the opening session of the 28th annual Beef Cattle Short Course, held May 2-4, at Gainesville.

Beef producers, researchers and industry representatives from Florida and out-of-state appeared on the program at the three day event to discuss the latest findings.

Marvin Koger of the University of Florida served as chairman of the Short Course, and Dr. H. D. Wallace, chairman of the animal science department at the University, presided at the opening session.

Opening speaker was Henry Douglas, Zephyrhills, president of the Florida Cattlemen's Association. Douglas pointed out that the cattle industry is constantly changing and that producers must prepare now to meet future demands. He called for support of the proposed Beef Referendum.

Douglas pointed out that Florida is still primarily a cow/calf producing state. He said consumers are turning more and more to lean beef and suggested that feeders consider feeding bulls, as an alternative to steers, to produce more lean beef at a faster rate.

W. C. (Cal) Burns, director of the Beef Cattle Research Station at Brooks ville, discussed genetic adaptation of cattle to local environments. He said his experience with purchasing cattle from many different areas and moving them to Brooksville over the years has revealed that no matter where cattle come from they undergo an environmental shock at Brooksville.

Burns said results of studies at Brooksville and other places indicate genetic adaptation is important in commercial beef production.

The importance of genetic adaptation to nutrition and management was discussed by Earle W. Klosterman of the Ohio Agricultural Experiment Station at Wooster. He cited studies indicating that the most efficient cattle will produce the most carcass weight of desired grade at the youngest age.

The performance of exotic breeds were discussed by Larry Cundiff of the Animal Research Center, Hastings, Nebraska. He said he believed many of the exotic breeds would make an important contribution to the beef industry through crossbreeding.

F. M. Peacock of the Agricultural Research Center, Ona, presented some information on the performance of Charolais. Studies have been conducted for a number of years at Ona.

Performances of exotics in the Everglades was covered by Joe Crockett of the Agricultural Research and Education Center, Belle Glade. He gave results of studies involving several breeds which revealed no superior breed.

A producer panel on adaptability and performance in Florida was next on the program. Appearing were cattle producers Alto Adams, Jr., Fort Pierce, Dick Kelley, Stuart, and Mike Milicevic, Clewiston.

Adams outlined his selection program which is based on natural selection in the environment where cattle are being produced.

Kelley covered his management program, including selecting bulls from within his commercial herd for breeding purposes.

Milicevic outlined his systematic crossbreeding program which includes producing first cross Brahman-Herceford and Brahman-Angus cows in Mississippi and utilizing a terminal cross with Charolais for market beef production at Clewiston.

Jim Flanagan, and Don Berry, Kissimmee, Cattlemen editors, made the annual Florida premier awards presentations. Receiving awards this year for accumulating the most points in show competition at the 1978-79 Florida livestock shows were: RW Bar Custom Fitters, Bellemeade Farms, Lake City; Bozzuto Angus Ranch, Lake City; Partin & Sons' Heart Bar Ranch, Kissimmee; L. M. Tucker, Tifton, Georgia; Martin's Casa Grande, Lake City; Barton Charolais Ranch, Tallahassee; Wasdin Charolais Ranch, Tallahassee; Sans Souci Farms, Ocala; Gingerbred Farms, Maxville; A & R Farms, Bradenton; Osborne Cattle Company, Davie; and D. L. Thomas Ranch, Lake City.

John Hunt of International Mineral and Chemical Company, Bartow, presented the Florida Beef Carcass Value Award, jointly sponsored by Gainesville Stockman's Supply. John Tedder, a Lake County FFA'r, was the winner of this year's award.

Joe Bertrand of the Agricultural Research Center, Jay, presided at the Thursday morning session.

Don Hargrove and Don Wakeman, both of the University staff, appeared first with a presentation on the characteristics which contribute to the marketability of cattle. They cited type, grade, uniformity, breed composition, performance, good management, and salesmanship as major factors.

Koger discussed genetic systems for commercial cow/calf operations. He outlined straight breeding and systematic crossbreeding systems.

Mike Fields, of the University staff, made a presentation comparing Brahman and Angus bulls in semen traits and other fertility factors. Fields made suggestions for insuring fertile herd bulls.

Jim Pace, extension animal husbandman at the University, gave some pointers on selecting sound bulls for breeding.

Selecting and culling females was discussed by Tim Olson of the University staff. Olson said strict culling procedures should be a part of any sound management program.

Olson teamed up with Bryan Melton for a presentation on the economics of culling open and poor producing cows.

Bernardo Bauer of Bolivia gave a presentation on the genetic improvement of Criollo, Zebu and Crossbred cattle in the Bolivian tropics. He said production has been improved greatly in the humid tropics of Bolivia by improved methods of selection and breeding.

The Florida Beef Cattle Improvement Association program and how it can be utilized by producers was discussed by Bob Sand of the Animal Science Department, University of Florida.

Following Sand's presentation was a producer panel on the utilization of records. Appearing were Max Hammond, Bartow; Walter Richardson,
PREMIER BEEF cattle show winners for 1978-79 received awards at the Short Course from Jim Flanagan, far right, editor of The Florida Cattleman. Accepting awards this year were, from left, Mike Partin, Carl Story, L. M. Tucker, W. E. Webb, Calvin Bozzuto, Jackie Thomas, D. L. Thomas, Marlin Nicely, Larry Martin, Rick Williams, and Maynard Osborne.

Evinston: Jeanette Chitty, Gainesville; and John Stitt, Clewiston.

Herb Chapman, director of the ARC, Ona, presided at the Thursday afternoon session.

Speakers included Clarence Ammerman of the University, on mineral and protein needs of cattle; Zane Palmer, meats specialist with the University, on problems and opportunities with forage finished beef; Sloan Baker, head of the AREC, Quincy, on finishing cattle in north Florida; Findlay Pate, AREC, Belle Glade, on finishing cattle in South Florida; John Holt, economist with the University, on hedging; Elder Sumner of the Production Credit Association, Okeechobee, on rancher financing; and Ted Gallo of the Southeastern National Bank, Bradenton, on agricultural lending.

Pate was in charge of the Friday morning session. Pastures were featured first, with Chales Ruelke, agronomist with the University, giving some background on the study of warm-season permanent pastures in Florida.

Gordon Prine, of the University staff, covered legumes and minimizing nitrogen fertilization. Rob Kalmbacher of the ARC, Ona, discussed native range, and Bill Ocumpaugh of the University staff covered creep grazing for calves.

The breeding season was discussed by Jim Hentges of the University staff. Hentges said many producers could take advantage of yearly price fluctuations and get double use of bulls by observing two breeding seasons for fall and spring calves.

Alvin Warnick discussed breeding and the management of first calf heifers. He said breeding heifers to calve at two years old was economical if proper management is applied.

Demonstrations on minimizing death losses in calves was the last presentation on the Short Course program. Veterinarians appearing were Marten Drost, DVM, University of Florida; Bobby Anderson, DVM, Gainesville Animal Hospital; and Ken Braun, DVM, University of Florida.

Drost emphasized that natural birth is best, but demonstrated the proper methods of pulling a calf, and of delivering a dead calf.

Anderson covered the care of the young beef calves, and Braun concluded the program with a presentation on vaccination programs for beef calves.

H. C. WALLACE, head of the Animal Science Department at the University of Florida, is shown here listening intently to one of the speakers.

D. L. WAKEMAN, left, and Jim Hentges, both of the University staff, appeared on the Beef Cattle Short Course Program at Gainesville.

to the Florida Limousin Sale

June 23
Lake City
Florida

3/4 Cow
by Dandin C bred to Prince Pompadour
1/6/79 and examined safe.

7/8 Heifer
Open, by Prairie Chief. Actual weaning weight 591. Ready to breed.

3/4 Heifer
Open, by El Macho. One year old.

Herd Sires:
EL MACHO
BOURBON
CHARLEMAGNE
WASHINGTON
(he is polled)

Top O' The Hill Farm
Rhodes Frost
912/263-7026
U.S. 84
Quitman, Ga. 31643
Millcrest Farm site of Florida Simmental field day program

“There is no single best breed of cattle.” That’s what Joe Crockett, animal geneticist from the Agricultural Research and Education Center, Belle Glade, told the group of people attending the Florida Simmental Association Field Day on April 20, at Bronson.

Crockett was featured speaker at the event and gave a report on research results involving Simmentals and other exotic breeds at the Belle Glade Center.

“Many of the breeds have desirable and some undesirable traits,” Crockett said. In order to have a breed adapted to Florida and produce a desirable market calf, the breeds must be blended, Crockett said, in a systematic crossbreeding program to suit individual environments, management systems, and market goals.

The field day was sponsored by the Florida Simmental Association and hosted by Millcrest Farm, Bronson. Over 150 registered for the event.

The program got underway with a Simmental judging contest. F. S. Baker, director of the Agricultural Research and Education Center at Quincy, served as official judge.

The Bradford FFA Chapter took first place honors in the judging contest, scoring 592 points. In second place was Bronson FFA Chapter with 569 points.

4-H team competition was won by the Gilchrist Club with 548 points, followed by the Marion 4-H Club with 538 points.

High point FFA individual at the event was Cindy Alderman, Bradford, scoring 216 points. The 4-H high individual was Lisa Hemminger of the Marion Chapter, tabulating 189 points.

Fred Pace of Carnation Genetics, Hughson, California, gave a slide presentation on embryo transplants. Pace covered both surgical and non-surgical techniques. He said present surgical procedures produce about a 60 percent conception rate, while about 40 percent success is obtained with the non-surgical method.

A Ralgro ear implant demonstration was presented by Bob Sand, extension beef specialist with the University of Florida.

Emcees for the event were Bob Davenport, Ocala, president of the Florida Simmental Association, and Jeff Miller of Millcrest Farm.

Door prizes for the event were sponsored by American Breeders Service, Curtiss Breeding Service, Moorman’s and Beachamp Hardware of Chiefland.

Lunch was prepared by Pete Asbell and the Bronson FFA Chapter.

Commercial production of red meat in the U.S. for March was 3093 million pounds, seven percent below March a year ago, according to USDA.
Rancher combats armyworm invasion of pastures

Two hundred brood cows live just south of the Jacksonville city limits.

Their home is Sweetwater Farm, a ranch rich in improved Coastal Bermudagrass pastures surrounded by native timber. The cow-calf operation has been an active income producing source for J. E. Williams for nearly 40 years. He has built a top herd of Charolais-Angus-Herford crossbred cows that regularly produce strong, healthy calves with heavy weaning weights.

Williams sells the steer calves at local auction markets and keeps the heifers for replacement stock.

Pastures on this operation are Coastal Bermudagrass and Bahia grass which are regularly fertilized and top-dressed to produce quality forage high in protein and TDN. This pasture improvement program isn't without problems, however. More than cows enjoy the lush, tender blades of Bermudagrass, says Williams.

Invasion

Fall armyworms invaded the pastures in 1977 with an attack that quickly became a raging inferno.

The armyworm is no stranger to the area. Williams starts checking pastures in late July and August for the tell-tale signs of infestation. When he sees it, he begins his insect control program.

But 1977 was an unusual year. Insect pressure was unusually high. Climatologists now say that upper wind patterns brought on conditions that were highly favorable for insects.

"When the armyworm was reported, we started our usual control program," says Williams. "But I could see that we weren't getting control. We'd find worms at the edge of a pasture and in no time they would be everywhere. I knew that something needed to be done."

In about as much time as it takes to rope a calf, this rancher retired his 25-year-old duster and purchased a new 300-gallon spray rig. He then mixed one-half pound "Lannate" insecticide and sprayed at the rate of 18-20 gallons water per acre. Cows were rotated to nontreated pastures for a week.

"Lannate" really did the job," says this Duval County rancher. "We got good control of armyworm and we held them back."

"Lannate" gives excellent control of armyworm because it works two ways, he points out. Quick contact action gives fast knockdown while the product provides longer control for a period of time to get emerging worms.

Production programs

Williams starts a pasture producing by sprigging Coastal Bermudagrass. This is overseeded with rye in the winter or a hybrid millet in the summer and har-
The 1979 Premier Brangus Bull is offered for sale at private treaty. Come by for a look at him and our other show prospects for next year.

**1978-79 Premier Exhibitor**

<table>
<thead>
<tr>
<th>Bruce Martin</th>
<th>Larry Martin</th>
</tr>
</thead>
<tbody>
<tr>
<td>904/755-0803</td>
<td>904/755-0816</td>
</tr>
<tr>
<td>Rt. 2, Box 96 C3</td>
<td>Lake City, Fla. 32055</td>
</tr>
</tbody>
</table>

**Circle R Ranch**

REG. ANGUS & BRANGUS

ARYK E. ROGERS, OWNER

904/752-2103

Rt. 6, Box 175

LAKE CITY, FLORIDA 32055

Located 7 miles south on U.S. 41

**Bar-A-Brangus**

Bulls and Heifers

Proven Crossbreed Since 1949

Box 1088, Wauchula, Fl. 33873

Russell Suggs

Foreman

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Albert & Barbara Carlton

Owners

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Moratorium on nitrite use proposed

The Carter administration has proposed the use of nitrite in food products be phased out. In legislation submitted to Congress, Secretary of Agriculture Bob Bergland and Secretary of Health, Education and Welfare Joseph A. Califano Jr. recommended the phase out be preceded by a one year moratorium during which no action would be taken to reduce or prohibit the use of nitrite as a preservative.

Bergland said the Department of Agriculture is taking this action today because the Justice Department has ruled the Federal Meat Inspection Act which governs the use of nitrite as a preservative in products, and the Food, Drug and Cosmetic Act which regulates use of nitrite and other products do not permit a phase out of nitrite use.

The Meat Inspection Act states that a product is adulterated and may not be approved for sale as wholesome if it contains a substance which may be injurious to health.

Join your local county Cattlemen's Association.
DEALER INQUIRIES WANTED
Join the Vermeer team—Contact nearest district office

DISTRICT LOCATIONS:

Willis Parts Depot
U. S. 441, South
by Columbia Livestock Mkt.
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Lake City, FL 32055
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Billy Jo Williams
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Graceville, FL 32440
904/638-7146
904/638-7132

Crews Equipment
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Avon Park, FL 33825
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New This Year: Financing Available

Three "F" Model Baler sizes available

605F—6 ft./5 ft. bale, 1200-2000 lbs.
504F—5 ft./4 ft. bale, 800-1400 lbs.
403F—4 ft./3 ft. bale, 400-800 lbs.

We have all your haying needs—feeder rings, mowers, rakes, tedders, hay mowing equipment.

ASK US ABOUT THE 18 FEATURES OF THE "F" MODEL BALERS

DEALER INQUIRIES WANTED
Join the Vermeer team—Contact nearest district office.
Cattle prices have continued to increase during the first four months of 1979 in response to a declining availability of replacement cattle. The 14 percent reduction reported on April 1 in heifers on feed (steers were down 1 percent) is an indication that more heifers are being retained for breeding purposes. This factor, plus the sharp reduction in cull cow slaughter indicates strong entry into the expansion phase of the big cattle cycle. This phase can be expected to last about five years, which means that producers will have to expand herds this year to take full advantage of the cycle. (Note: See the article "Cattle Cycles: A Guide for Cattlemen" in the January, 1979 issue of The Florida Cattlemen.

Fed cattle prices jumped up $6 from February to March and another $4 to $74-75 in April. Prices should hold fairly steady at this level for the next 6 months unless there are adverse political announcements.

Feeder cattle prices have also increased about $10-15 in the past two months. Continued strong demand is expected with additional strength likely in the summer and early fall.

Slaughter cow prices will continue to increase with a $65 average for Utility cows by next fall.

Hog prices for 200-220 lb. barrows and gilts averaged $42-43 in April, down about $12 from February. Continued low prices, possibly in the $40 areas are expected in the fall due to rapid expansion in the hog industry.

**PRICE RANGES-ACTUAL AND PROJECTED**

<table>
<thead>
<tr>
<th>Year and Month</th>
<th>Omaha 900-1100 pound</th>
<th>Florida 400-500 lb. Steers</th>
<th>Florida 600-700 lb. Steers</th>
<th>Utility Cows</th>
</tr>
</thead>
<tbody>
<tr>
<td>Jan. 1979</td>
<td>59-60</td>
<td>82-94, 73-86</td>
<td>69-74</td>
<td>61-70, 47-55</td>
</tr>
<tr>
<td>Feb. 1979</td>
<td>64-65</td>
<td>89-102, 78-91</td>
<td>73-81</td>
<td>65-75, 50-59</td>
</tr>
<tr>
<td>Mar. 1979</td>
<td>70-71</td>
<td>95-110, 85-100</td>
<td>79-88</td>
<td>71-81, 55-65</td>
</tr>
<tr>
<td>Apr. 1979</td>
<td>74-75</td>
<td>99-114, 88-104</td>
<td>78-87</td>
<td>73-83, 56-66</td>
</tr>
<tr>
<td>Projected May</td>
<td>72-73</td>
<td>100-115, 90-105</td>
<td>79-88</td>
<td>73-82, 57-67</td>
</tr>
<tr>
<td>June-Jul.</td>
<td>74-75</td>
<td>100-115, 90-105</td>
<td>78-87</td>
<td>72-81, 58-68</td>
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<tr>
<td>Aug.-Sept.</td>
<td>73-75</td>
<td>105-120, 95-110</td>
<td>80-88</td>
<td>74-83, 59-69</td>
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</tbody>
</table>

*Dollars per cwt.*

**SOURCE:** Florida Cooperative Extension Service.

**Average Prices, Dollars per Cwt.**

<table>
<thead>
<tr>
<th>Week Ended</th>
<th>Omaha, Florida</th>
</tr>
</thead>
<tbody>
<tr>
<td>Week</td>
<td>Choice (900-1100 Lbs.)</td>
</tr>
<tr>
<td>Feb 24</td>
<td>45.75</td>
</tr>
<tr>
<td>Mar 31</td>
<td>49.94</td>
</tr>
<tr>
<td>Apr 28</td>
<td>52.98</td>
</tr>
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**Slaughter Steers, Omaha**

<table>
<thead>
<tr>
<th>Week Ended</th>
<th>Omaha, Florida</th>
</tr>
</thead>
<tbody>
<tr>
<td>Week</td>
<td>Com'l</td>
</tr>
<tr>
<td>Feb 24</td>
<td>32.85</td>
</tr>
<tr>
<td>Mar 31</td>
<td>34.44</td>
</tr>
<tr>
<td>Apr 28</td>
<td>39.25</td>
</tr>
</tbody>
</table>

**SOURCE:** USDA—AMS

**Imported Boneless Beef on Which Duty is Paid Fresh & Frozen, Florida and U.S., 1977-79**

**Average Prices Received per cwt. for Slaughter and Stocker Cattle and Calves through 14 Florida Auctions, April 1978, 1979**

<table>
<thead>
<tr>
<th>Grade</th>
<th>Cows</th>
<th>Calves</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>1978</td>
<td>1979</td>
</tr>
<tr>
<td>SLAUGHTER:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Choice</td>
<td>---</td>
<td>---</td>
</tr>
<tr>
<td>Good</td>
<td>---</td>
<td>---</td>
</tr>
<tr>
<td>Standard</td>
<td>---</td>
<td>---</td>
</tr>
<tr>
<td>Utility</td>
<td>37.93</td>
<td>59.59</td>
</tr>
<tr>
<td>Cutter</td>
<td>32.88</td>
<td>55.39</td>
</tr>
<tr>
<td>Canner</td>
<td>26.53</td>
<td>46.58</td>
</tr>
<tr>
<td>All Grades</td>
<td>35.29</td>
<td>57.34</td>
</tr>
<tr>
<td>STOCKER</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Choice</td>
<td>37.14</td>
<td>66.86</td>
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<tr>
<td>Good</td>
<td>37.50</td>
<td>61.02</td>
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<tr>
<td>Standard</td>
<td>34.21</td>
<td>55.53</td>
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<tr>
<td>Utility</td>
<td>31.86</td>
<td>49.43</td>
</tr>
<tr>
<td>Inferior</td>
<td>23.87</td>
<td>40.20</td>
</tr>
<tr>
<td>All Grades</td>
<td>34.91</td>
<td>58.91</td>
</tr>
</tbody>
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**SOURCE:** FDA & CS, Division of Marketing, Market News

**Average Prices Received, Effective Parity and Percent of Parity for Livestock, U.S., April 1978 and 1979**

<table>
<thead>
<tr>
<th>Item</th>
<th>Prices Received</th>
<th>Parity Prices</th>
<th>Av. Prices as % of Parity</th>
</tr>
</thead>
<tbody>
<tr>
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<td>1978</td>
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<td>Beef Cattle</td>
<td>Dols. per Cwt.</td>
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<td>47.70</td>
<td>72.40</td>
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<td>Calves</td>
<td>53.70</td>
<td>66.40</td>
<td>71.20</td>
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<td>Hogs</td>
<td>45.00</td>
<td>44.30</td>
<td>60.40</td>
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**SOURCE:** U.S. Department of Commerce
Enfinger presents

An Opportunity To Share In Our 9 Years Of Breeding Registered Red Angus With The Sale Of 24 Cow Calf Pairs ★ 24 Heifers ★ 6 Bulls

AHE BERTHA 492 Born 1-2-78
Wn. Wgt. 563-Ratio 114-20 Contemporaries
365 Day Wgt. 792-Ratio 115-20 Contemporaries
SIRE: SUPERCHARGER—A.I.’d UMPIRE 1000

AHE RED SOPHIE Born 12-22-74
Wn. Wgt. 510-Ratio 112-24 Contemporaries
HAS LINEBRED HEIFER CALF AT SIDE
SIRE: CPR ROYAL 034-Rebred McQueboy 109

COME TO WHERE SOME OF THE STARS IN THE RED ANGUS BREED ARE—


★ Two HIGHEST SELLING Heifers and Cow-Calf Pair in the 1976 Southeastern Red Angus Association Sale.


★ The HIGHEST SELLING Cow-Calf Pair, Heifer and two Bulls in the 1977 Southeastern Red Angus Association Sale.

★ Co-Owner & Exhibitor of Supercharger Sired 1977 National Grand Champion.

★ Supercharger Sired the 1978 American Royal Grand Champion Female.

★ A Full Brother to my McQueboy Bull Sired the 1975 National Grand Champion Female.


★ ENFINGER Owned Sires: Gibbs Branic 8, Supercharger, and AHE McQueboy 109, each in successive years sired the Top Gaining Group of Bulls at IBIA Winter Test in Grundy Center, Iowa.

ON JULY 7, 1979—6 P.M.—At RANCH HEADQUARTERS
CHUMUCKLA, FLA. (30 MILES N.E. OF PENSACOLA, FLA.)

Doris and I will be looking forward to seeing each of you. Please make reservations early because of the 4th of July Holiday Weekend. We solicit phone-in bids—they will be honored at lowest possible purchase price. Write for a Catalogue.

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*The world’s most efficient breed of cattle: YES, more live calves born unassisted. YES, they grow faster, finish faster, grade better. YES, the calves are always red when bred to other red cattle. YES, you should put performance tested Red Angus bulls to work in your cow herd. YES, save better heifers to improve mothering and milking ability.

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“Breeding cattle for your next generation.”
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ON HAND for the Hall of Fame Federation dinner in Tampa were FCA President Henry Douglas, Zephyrhills, left, and Commissioner of Agriculture Doyle Conner.

Kickoff dinner held for Agri project
A few weeks ago the kickoff dinner for the Florida Agricultural Hall of Fame Federation was held in Tampa. Commissioner of Agriculture Doyle Conner said the job of the Federation will be to select individuals from a list of quality nominees for induction into the Florida Agricultural Hall of Fame.

The membership of the federation shall be as representative of the various facets of the agricultural industry as possible. This would include, but not be limited to: production, marketing, sales, promotion, research and education. This membership shall be comprised of the president, or his representative, of each member organization.

A federation selection committee consisting of four members and a chairman will be appointed by the federation chairman. The purpose of this committee will be to make the final selection of candidates for induction into the Florida Agricultural Hall of Fame. The members of the Selection Committee will remain anonymous and receive appointments annually, said Conner.

The first group of candidates to be inducted into the Florida Agricultural Hall of Fame will be honored at the 1980 Hall of Fame Federation dinner next spring. At that time a maximum of 10 Hall of Fame members will be inducted. After 1980, a maximum of five new members may be chosen annually.

Members of the federation have until September 30 of this year to submit the names of their nominees for possible induction into the Hall of Fame. Names should be sent to: Mr. Bob Morris, chairman, Florida Agricultural Hall of Fame Federation, P. O. Box 420, Tampa 33601.

Said Conner, “I think everyone will agree that the time has come for us to begin officially recognizing those persons who have made significant contributions to Florida agriculture. Federation members should strive to make it a difficult task for the Selection Committee to choose the first group of inductees into the Hall of Fame. Give them plenty of quality nominees to choose from so that those individuals ultimately selected will be able to feel justifiably proud of the honor and acclaim they receive.”
Southeastern Red Angus Association

SALE
AND CORRAL SHOW

SATURDAY, JULY 21, 1979
Show 9:00 a.m.—Sale 1:00 p.m.
at the Auburn University Agricultural Center

AUBURN, ALABAMA

60 Lots Registered Red Angus

All females under 8 years of age, bulls from 12 to 36 months of age, bred cows and bred heifers guaranteed safe in calf.

Corral show consisting of 5 classes. All cattle in the show sell.

Open heifers
Cows and calves
Bulls 12 to 20 months

Bred heifers
Bred cows
Bulls 21 to 36 months

Come see this innovated way of showing cattle. Selected as if you were purchasing them from the farm or ranch.

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904/994-7033
Bond Simmental Ranch is dispersing their half blood Simmental herd...and is currently offering for sale 90 cows bred to proven, fullblood bulls. These top quality, full-bodied females include a limited selection of fine, breeding age heifers.

For prices and additional information, contact:

**BOND Simmental Ranch**

Perry Bond  
Office: 912/498-4835, Home: 912/228-1381  
Patty Fournier  
912/498-7745  
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Boston, Georgia 31626
ALLIED MEMBERS

Your continued support of the Florida Cattlemen’s Association and Florida Beef Council, evidenced by your joining our association as an allied member is deeply appreciated.

Particularly, we appreciate the fact that your dues help defray the expenses of putting on our annual convention. We will remember our indebtedness to you for your continued outstanding support.

FLORIDA CATTLEMEN’S ASSOCIATION ALLIED MEMBERS

Aid Laboratories, Ocala
American Breeders Service, Jacksonville
Anchor Laboratories, Inc., Kissimmee
ACLI Int’l Commodity Svcs., Inc., Altamonte Springs
Agri-Feed, Inc., Dunedin
American Cyanamid Co., Casselberry
Austin Fertilizer & Chemical Co., Sanford
Cattlemen’s Construction Co., Bartow
Central Florida PCA, Orlando
Central Molasses Company, Tampa
Cody Publications, Kissimmee
Cutter Laboratories, Brooksville
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Elanco Products Company, Tampa
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Farm Credit Service, Lakeland
Federal Land Bank of Orlando
Federal Land Bank of Tampa
Federal Land Bank of Wauchula
First National Bank of Kissimmee
Florida Ass’n of Livestock Markets, Kissimmee
Florida Favorite Fertilizer, Inc., Lakeland
Florida Feed Mills, Jacksonville
Florida Fence Post Co., Inc., Wauchula
Florida Lime & Dolomite Co., Inc., Ocala
W. R. Grace Company, Fort Pierce

Greater Jacksonville Fair, Jacksonville
Griffin Fertilizer Company, Frostproof
Haile-Dean Seed Company, Inc., Orlando
I.M.C. Chemical Group, Inc., (Ralgro) Bartow
I.M.C. Development Corp., Lakeland
I.M.C. Rainbow Div., Mulberry
Kaplan Industries, Inc., Bartow
Lakeland Cash Feed Company, Inc., Lakeland
Loeb Rhoades Hornblower, Winter Park
Merck Chemical Division, Goldenrod
Mixon Milling Company, Cairo, Georgia
M&M Supply Co. of Fla., Inc., Thonotosassa
Okeechobee County Bank, Okeechobee
The P.D.Q. Company, Lakeland
Poultry Health Service, Jacksonville
Ralston-Purina Company, Tampa
Ranch Fertilizer Company, Okeechobee
Riechold Chemical, Inc., Pensacola
RICO Liquids, Inc., Aliceville, Alabama
Riviana Foods, Inc., Houston, Texas
Southeast First National Bank of Miami
S.E. Molasses & Supply Co., Okeechobee
Southern Culvert Company, Pinellas Park
Sun Bank of St. Cloud, St. Cloud
Sun City Center Bank, Sun City Center
Syntex Agribusiness, Inc., Clearwater
U.S. Sugar Corporation, Clewiston

Florida Beef Council

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P. O. Box 1929, Kissimmee, Florida 32741
1979 FCA Convention Program

WEDNESDAY, JUNE 27, 1979

9:00 a.m.—Registration in Hotel Lobby
10:00 a.m.—FCA Executive Committee Meeting and Luncheon
(Courtesy The First National Bank of Kissimmee)
12:00 noon—Cowbelles Executive Committee Luncheon Meeting
3:30 p.m.—FCA Committee Meetings
6:30 p.m.—Hospitality Hour
(Courtesy Ben Hill Griffin, Inc., and Griffin Fertilizer, Frostproof)

THURSDAY, JUNE 28, 1979

Breakfast—No Planned Breakfast
7:30 a.m.—Exec. Comm; County Ass'n Presidents; State Directors;
Sweethearts and Judges Breakfast
(Courtesy Ralston-Purina Company, Don Plagge, Host)
9:00 a.m.—1979 Florida Cattlemen-Florida CowBelles Opening Session
Call to Order: Henry C. Douglas, President
Invocation, Pledge of Allegiance and Salute to the Flag
Welcome: Mike Partin, President, Osceola Cattlemen's Ass'n
Response: Harvey Dahl, First Vice President, FCA
9:15 a.m.—Florida CowBelles Ass'n Report: Mrs. Katharine Simms,
President
Address: National CowBelles President Mrs. Rose Harris
10:00 a.m.—Address: Doyle Conner, Fla. Comm. of Agriculture
10:30 a.m.—Address: NCA President Lauren Carlson
12:00 noon—Cowboy & CowBelle "Sweetheart" Luncheon
Invocation: J. O. Pearce, Jr., Okeechobee
Presentation of Sweethearts by Mrs. Winkie LeFils, Chairman
Introduction of new Allied Members; Chairman Herb Weimer
Presentation of "Outstanding CowBelle Nominees," Mrs.
Jack Johnson, Chairman
Golf & Tennis Tournaments (Information at Registration Desk)
2:30 p.m.—FCA Directors Meeting and Committee Reports
Exec. Vice President's Report: James F. Mummy
2:30 p.m.—CowBelles General Membership Meeting
6:30 p.m.—Cocktail Hour—Reception for Registrants and Visiting
Dignitaries
(Courtesy U. S. Sugar Corporation, Clewiston)
7:30 p.m.—Fiesta Buffet
9:00 p.m.—Sweetheart Coronation by Commissioner Doyle Conner
9:30 p.m.—Dance, Country and Western Band

FRIDAY, JUNE 29, 1979

Breakfast—No Planned Breakfast
7:00 a.m.—CowBelles Breakfast
(Courtesy The Clarence Cross Family, Colquitt, Georgia)
9:00 a.m.—FCA General Business Session
Call to Order: President Henry Douglas
Pledge of Allegiance and Salute to the Flag
Budget & Finance Report: Ralph Cellon, Jr.
AITC Report: R. D. Bennett
President's Report: Henry Douglas
10:30 a.m.—Address: Lt. Governor Wayne Mixson
Honorary Director Awards: Henry Douglas
Election of FCA Officers for 1979-80
12:00 noon—No Planned Luncheon for Cattlemen
12:00 noon—CowBelles Luncheon, Past Presidents & Exec. Committee
(Courtesy Federal Land Bank & Production Credit Ass'ns of Florida)
6:30 p.m.—Hospitality Hour
(Courtesy Florida Lime & Dolomite Company, Inc., Ocala)
7:30 p.m.—Banquet—Master of Ceremonies Ralph Cellon, Jr.
Address: Governor Robert Graham
Presentation of 1979-80 President for Remarks
9:30 p.m.—Dance
(Orange Juice during the convention, courtesy Ben Hill Griffin, Inc., Frostproof;
Orchids for the Ladies, courtesy DoLime Minerals, Bartow; Registration Badges,
courtesy Florida Lime & Dolomite Co., Inc., Ocala; Diamond Pendant for CowBelles
drawing, courtesy Florida Association of Livestock Markets; Coffee during the con-
vention, courtesy Florida Angus Association).
WALT DISNEY WORLD VILLAGE at Lake Buena Vista will be one of the feature attractions awaiting FCA conventioneers at the annual June event. Visiting the shops and restaurants such as the Empress Lilly shown above will occupy some of the leisure time of FCA members and their families during the four-day convention.

Lake Buena Vista—convention site!

CowBelles plan active program

Members of the Florida CowBelles Association have planned a full schedule of meetings and social activities when they hold their annual meeting in conjunction with FCA’s convention at the Dutch Inn Resort Hotel, Lake Buena Vista, June 27-30. All meeting places will be posted in the hotel lobby. Registration will be at 9:00 a.m., daily.

The CowBelles program is as follows:

WEDNESDAY, JUNE 27

9:00 a.m.—Registration in Hotel Lobby
12:00 noon—Executive Committee Luncheon Meeting
6:30 p.m.—Hospitality Hour

THURSDAY, JUNE 28

7:00 a.m.—Outstanding CowBelle Breakfast
9:15 a.m.—President’s Report to FCA
10:30-11:30 a.m.—Ladies Reception (Guest: Mrs. Ruth Ann Fowler)
12:00 noon—Cowboy & CowBelle “Sweetheart” Luncheon
Presentation of Sweethearts, Mrs. Winkie LeFils
Presentation of “Outstanding CowBelle” Nominees, Mrs. Jack Johnson
Golf and Tennis Tournaments (Information at Registration Desk)
2:30 p.m.—General Membership Meeting
Drawing for Diamond Pendant
(Courtesy Florida Association of Livestock Markets)
6:30 p.m.—Cocktail Hour and Reception
7:30 p.m.—Fiesta Buffet
9:00 p.m.—Sweetheart Coronation by Commissioner Doyle Conner
9:30 p.m.—Dance, Country and Western Band

FRIDAY, JUNE 29

7:00 a.m.—CowBelles Breakfast and General Membership Meeting
(Courtesy The Clarence Cross Family, Colquitt, Georgia)
Guest Speaker: Mrs. Rose Harris, ANCB President
Presentation of Awards
Election of Officers
12:00 noon—Executive Committee and Past Presidents Luncheon
(Courtesy Federal Land Bank & Production Credit Ass’ns of Florida)
6:30 p.m.—Hospitality Hour
7:30 p.m.—Annual Banquet and Dance

The annual convention of the Florida Cattlemen’s Association is slated for June 27-30 at the Dutch Inn Resort Hotel, Lake Buena Vista. With a number of important issues to be covered during the business sessions, FCA officials expect one of the largest crowds to be on hand in recent years.

This year’s program will include both business and social activities along with both golf and tennis tournaments.

The registration desk will open at 9:00 a.m., Wednesday, June 27, and will be open daily from then on at the same hour. Meeting rooms for committee and the main sessions will be posted in the hotel lobby.

The first session presided over by Henry Douglas, Zephyrhills, president, will be a joint one with the CowBelles which will officially open the convention. Welcome to the area will be given by Mike Partin, Kissimmee, president of the Osceola County Cattlemen’s Association. The response will be given by Harvey Dahl, Melbourne, first vice president of FCA.

Mrs. Katharine Simms, Lithia, CowBelles president, will address the membership and will then present Mrs. Rose Harris, Waitsburg, Washington, president of the American National CowBelles who will give a talk on CowBelle accomplishments.

Master of ceremonies for the annual banquet will be Ralph Cellon, Jr., of Alachua. Principal speaker at the banquet on Friday evening, June 29, will be Florida Governor Bob Graham.

FCA’s 1979-80 Sweetheart will be crowned by Commissioner of Agriculture Doyle Conner at the Fiesta Buffet which is set for Thursday evening, June 28. A country and western dance will follow the sweetheart ceremonies and a dance will also follow the annual banquet affair on Friday night.

Current industry topics and problems, committee reports and other
items will be covered during the business sessions. Election of officers for the new year will also be held and resolutions will be adopted by the membership. Honorary FCA directors will also be named.

The Florida CowBelles Association under the leadership of Mrs. Katharine Simms will conduct its annual convention and hold committee meetings during the same period as the cattlemen. Lieutenant Governor Wayne Mixson, Commissioner of Agriculture Doyle Conner and NCA President Lauren Carlson, Chokio, Minnesota, will be program speakers during the general sessions.

Registration fee for the convention will be $45.00 per person which includes a number of meals, hospitality hours and other entertainment. There will be no registration charge for children unless they desire to attend a particular function. Individual tickets will be sold at the registration desk for those functions.

Opening day
FCA President Henry Douglas has called an executive committee meeting at 10:00 a.m. June 27 to lead off the convention. A luncheon will follow the session at 12:00 noon courtesy of The First National Bank of Kissimmee.

The CowBelles executive committee will also hold a luncheon meeting beginning at 12:00 noon.

FCA committees will meet beginning at 3:30 p.m., Wednesday, June 27. Opening day’s events will close with a hospitality hour hosted by Ben Hill Griffin, Inc., and Griffin Fertilizer, Frostproof, set for 6:30 p.m.

Thursday
There is no planned breakfast for registrants on Thursday, June 28, although the executive committee, county association presidents, state directors, sweetheart contestants and judges will be hosted at a 7:30 a.m. breakfast by Ralston-Purina Company, St. Louis, Missouri. Purina district manager Don Plagge, Tampa, will represent the firm.

The joint session of FCA and the CowBelles will convene at 9:00 a.m., presided over by President Douglas. At 9:15 a.m., Mrs. Katharine Simms, CowBelles president, will give her report to the membership. A report will also be given by ANCB President Rose Harris. Commissioner Conner is scheduled to address the members at 10:00 a.m. At 12:00 noon the annual Cowboy and CowBelle “Sweetheart” luncheon will be served. The invocation will be given by J. O. Pearce, Jr., of Okeechobee. The sweetheart contestants will be presented by Mrs. Winkie LeFils, Osteen, chairman of the sweetheart contest. Herb Weimer, Kissimmee, chairman of the allied members committee, will present new members, and Mrs. Jack Johnson, Immokalee, will present the “Outstanding CowBelle” nominees.

At 2:30 p.m., Douglas will call the directors meeting to order and the annual meeting of the CowBelles is also scheduled for that hour. FCA Executive Vice President Jim Mummey, Kissimmee, will report on association and legislative matters at the directors meeting. Other committee reports will also be heard.

A cocktail hour and reception honoring the registrants and visiting dignitaries will be hosted by U.S. Sugar Corporation, Clewiston, beginning at 6:30 p.m. Following the “Fiesta Buffet” at 7:30 p.m., Commissioner Conner will crown the 1979-80 cattlemen’s sweetheart. A country-western dance will conclude the evening’s social activities.

Friday
No breakfast is planned for the final day, June 29, and cattlemen will be on their own. The CowBelles will be hosted at a breakfast by the Clarence Cross Family, Colquitt, Georgia, at 7:00 a.m.

The final FCA general business session will be convened by President Douglas at 9:00 a.m. A budget and financial report will be by Ralph Cellon, Jr., treasurer, followed by a report on Animal Industry Technical Council matters given by R. D. Bennett, Greenwood. Douglas will give his president’s report for the year and then the members will hear from Lieutenant Governor Wayne Mixson. Following this talk, Douglas will present the honorary director plaques. Election of officers will follow.

No formal luncheon is planned at noon for the cattlemen but the CowBelles’ past president and executive committee luncheon hosted by Federal Land Bank and Production Credit Associations of Florida is set for 12:00 noon.

A hospitality hour hosted by Florida Lime and Dolomite Company, Inc., Ocala, is slated for 6:30 p.m. The annual banquet is scheduled for 7:30 p.m., with Ralph Cellon, Jr., serving as emcee. Highlight of the evening will be an address by Governor Bob Graham.

Prior to the dance, which is scheduled for 9:30 p.m., the FCA president for 1979-80 will be introduced for remarks.

Orange juice during the convention will be furnished by Ben Hill Griffin, Inc., Frostproof. Orchids for the ladies will be provided by DoLime Minerals, Bartow. Registration badges are provided by Florida Lime and Dolomite Company, Inc., and morning coffee during the convention is courtesy of the Florida Angus Association.

Other contributions, assistance and donors for various activities during the convention are acknowledged from Allied Members of FCA; Florida Association of Livestock Markets; The First National Bank of Kissimmee; Florida Lime and Dolomite Company, Inc., Ocala; The Clarence Cross Family, Colquitt, Georgia; Ralston-Purina Company, St. Louis, Missouri; Federal Land Bank Association of Florida; Production Credit Association of Florida; U.S. Sugar Corporation, Clewiston; sweetheart contest chairman, and Mrs. Katharine Simms, CowBelles president.

The cover
The Dutch Inn Resort Hotel at Lake Buena Vista will be the headquarters hotel for the annual FCA convention. A photo of the facility appears on the cover of this annual convention section.

FCA President Henry Douglas, Zephyrhills, and Mrs. Douglas, extend an invitation to all to attend the convention and enjoy the area of Lake Buena Vista and its facilities.

A number of social activities are planned for FCA members and families during the period of the convention. The convention committee is chaired by C. Aubrey Caruthers of Oxford.
FCA activities around the nation

A variety of activities are participated in by FCA members, CowBelles, and industry supporters all around the country as shown by the accompanying photos.

Top left, NCA President Lauren Carlson, Chokio, Minnesota, will be on the FCA convention program at Lake Buena Vista. He’s shown checking some information on beef promotion with Mrs. JoAnn Smith, Wacahoota, chairman of NCA’s beef promotion and consumer relations committee during an out-of-state meeting.

Second from top, J. Charles and Saundra Gray of Gemini Springs Farms, Debary, hosted the annual Block and Bridle field tour a short time ago and are shown greeting the group.

Third row, left, Mrs. Jan Stephens, Kissimmee, first vice president of the Florida CowBelles, had some helpers during a beef promotion held in Starke.

Third row, center, Mrs. Sarah Childs, Lake Placid, left foreground, second vice president of the Florida CowBelles, shows that CowBelles also join in working cows when called upon.

Third row, right, Honorary members of the University of Florida Block & Bridle Club named this year were the late O. L. “Slim” Partin, accepted by Mike Partin, Kissimmee, at left; J. E. Pace, longtime beef extension specialist at the University, center, and E. L. “Geech” Partin, of Kissimmee.

Bottom row, left, Mrs. Katharine Simms, right center, president of the Florida CowBelles, has led the group on a number of beef promotions during the past year. Shown here is an event at the Fashion Square Mall, Orlando.

Bottom right, FBC Executive Director Ron Stephens, left, conferred with Bob Morris, Tampa, during the recent Florida Agricultural Hall of Fame banquet at the State Fairgrounds, Tampa.
THE BEEF PEOPLE

WINN-DIXIE COVERS FLORIDA

Congratulations on FCA's first year of ownership of The Florida Cattleman and Livestock Journal and best wishes for a most successful and fruitful convention.
Beef cookoff termed “outstanding”  

PRESIDENT’S BY-LINES

The Florida Beef Cook-Off was very successful, Donna Pettit, chairman, planned and conducted an outstanding event. The cook-off was held in the Agricultural Center at Seffner, April 20. We are most indebted to Ruth Ann Fowler, home extension economist and her staff for their invaluable assistance and use of their facilities. There was also good support from CowBelles. Traveling to Hillsborough County were vice-chairman of the cook-off, Jeannie Carpenter, Brevard County president Ruth Tucker and immediate past president Jeanette Barthle of Pasco County. Hillsborough County CowBelles helping were Louise Massaro, Jane Masaro, Ola Alderman and Claire Bryant.

Our publicity chair, Billie Jo Simmons, had arranged for extensive press coverage. There were representatives from Brandon News, Plant City Courier, East Hillsborough Tribune and Tampa Times. Both Channel 8 and Channel 13 taped portions of the cook-off and this was seen on noon and evening news in Tampa.

The fact that the top three winners were men attracted a lot of attention. There were seven contestants and we appreciate each of them participating. First place winner was Avritt Grace, county cook-off winner from St. Lucie County with his fantastic recipe for Beef Burgundy Fiesta. Other winners and recipes are in a separate article in this issue of The Florida Cattlemen. Grace will be attending the national beef cook-off in Omaha, Nebraska, September 27 and 28. Donna Pettit and Jeannie Carpenter are making plans to also attend and we wish much success and good luck to our State winner. Wouldn’t it be exciting to have a Florida national winner!

Midyear meetings and workshops will be held beginning July 17 at 8:00 a.m. and adjourning on July 18 at 4:00 p.m. As you probably read in the national newsletter, we are urged to make reservations for plane and hotel immediately as it is all first come, first served basis. Some flights for the summer are already completely booked due to the fuel shortage. Send your hotel reservations directly to the ANCB, P. O. Box 569, Denver, Colorado 80201, care of Dottie Curtis.

The Region II workshop in Jackson, Mississippi, was canceled because of the flood conditions. I know your prayers were extended for those involved in this tragic situation. I received a letter dated April 25 from Region II co-ordinator, Cynthia Curtiss, who said that even then the situation had not improved greatly. The Ramada Inn, where we would have met, had water up to the second story. The cattlemen’s office with a CowBelle room was completed inundated. The workshop is rescheduled for September 19 and 20. Since this will be after the Denver meeting, you will have the opportunity to hear the information and guidelines brought forth at that important workshop.

We are happy to hear that Ralph and Gertie Cellon are much improved. Gertie sent a letter to the CowBelles in appreciation of the love and concern shown to them during this trying time. I felt it would be good to pass along your words of encouragement now rather than wait until next meeting time. They expressed thanks for all the phone calls, cards, visits and prayers as well as the planter given by the CowBelles. Our prayers are that they will recover speedily and again be with us.

Brevard County reports that a class was given to 4-H members, ages nine through 14, on “The Basics of Beef” on March 12. This will be followed up by a test given to the group on April 12 with a beef gift certificate awarded to the top scorer. The Brevard CowBelles have been requested to also give the 4-H group a class on the bones of the retail cuts of beef and the bones of the beef animal.

Hope you have your “Beef For Father’s Day” promotions well-planned by now. Brevard County is using the Beef Quiz from the placemat in the newsletter “The Orbit.” This idea could be utilized in several ways. Most of your local newspapers would be glad to print the quiz. Restaurants are usually quite eager to use the place mats in their place of business and this is good beef advertising. Don’t forget to cook beef for the special cattlemans in your life on his day!

Your scrapbook chairman, Georgiann Sumner, wishes to remind you to finish your scrapbooks in time for the convention and bring them to be judged. Her letter has already been mailed covering judging procedures. We are looking forward to seeing some outstanding scrapbooks in June.

Audrey Johnson, Outstanding CowBelle chairman, asks that you be sure one person (the president or director) from your county is designated to vote at the Outstanding CowBelle breakfast for the candidate of your choice. The breakfast will be on Thursday morning of the convention at 7:00 a.m.

Let’s all work hard to sell the beef drawing tickets that provides the scholarship for our Cattlemen’s Sweetheart. I have had a peek at the ticket of the contest already and they are sweetheart material if I’ve ever seen it. We’ll have a treat in store when the new Sweetheart is chosen and it will encourage her with the nice prizes you help provide.

Ladies if you are not a member of the Florida CowBelle Association, we urge you to join in time to be a part of the convention activities. There will be interesting programs, exciting work to talk about and lots of fun. A diamond pendant will be given away at the Thurs-

Florida CowBelles Association  
Affiliated with  
American National CowBelles  
Rt. 1, Box 56  
Lithia, FL 33547  

President  
Mrs. Ray Simms, Lithia  
813/689-3990  

First Vice President  
Mrs. Ron Stephens, Kissimmee  

Second Vice President  
Mrs. Tom Childs, Lake Placid  

Treasurer  
Mrs. Mildred Sherrod, Immokalee  

Recording Secretary  
Mrs. Jack Stokes, Williston  

Corresponding Secretary  
Mrs. Harvey Dahl, Melbourne  

COMMISSIONER of Agriculture Doyle Conner and Mrs. Katharine Simms, CowBelles president, compare notes on beef promotion during a recent meeting.

—Katharine Simms, President Florida CowBelle’s Association
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Cattleman's Choice has been proven in Florida farmer, rancher, dairy-conducted field and grazing trials and has proved its adaptability under a wide range of conditions.

POUNDS PER ACRE

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SINCE 1933
Fort Pierce man wins beef cookoff

Sponsored by the Florida CowBelles, the annual beef cookoff finals were held April 20 with first place going to Avritt Grace, Fort Pierce. The cookoff was held at the Hillsborough County Agriculture Business Center in Seffner.

Chairman for this year’s series of contests across the state was Donna Petitt of Brandon. The cookoff is held for the purpose of featuring beef recipes; understanding the various cuts of beef and their preparations; promoting the beef cattle industry, and selecting a state winner to represent Florida in the National Beef Cook-off Contest.

The state finals at Seffner matched the seven best recipes submitted from county cookoffs held throughout the state. The beef dishes were judged in compliance with national beef cookoff criteria on taste, appearance, originality and ease of preparation.

Winner of the first place recipe is maitre d’hotel at the Pelican Yacht Club in Fort Pierce. With his recipe, Grace received top prize of $225 and an expense paid trip to Omaha, Nebraska, in September to compete nationally.

Winning second place for the second straight year was Lee Donin of Satellite Beach. His prize was $55. Third place went to Kurt Weil from Hillsborough County.

Of the seven contestants in the finals, the first three winners were men, Mrs. Petitt noted.

The winning recipe was named “Beef Burgundy Fiesta,” second place was “Chili Colorado,” and third was called “Beef Roulade with Mushroom Sauce.”

Fourth prize was won by Mrs. Bettye Galvin of St. Augustine, and fifth place was taken by Johanna Borg of Port Richey. Honorable mention went to Mrs. Blanche Scharf of Lakeland and Mrs. M. M. Sperranza of New Smyrna Beach.

The winning recipe follows:

**Beef Burgundy Fiesta**

1/2 cup salad oil; 4 pounds beef round, chuck, or tenderloin, cut in 1-inch pieces; 2 tablespoons flour, 3 cloves

**FIRST PLACE** winner in the state beef cookoff was Avritt Grace from St. Lucie County.
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PASCO COUNTY'S entry Johanna Borg, took fifth place with her beef recipe.

HONORABLE MENTION was won by Blanche Scharf, representing Polk County in the state cookoff.

garlic, minced; 3 cups dry Burgundy; 2 cups beef stock; 2 stalks celery; few sprigs parsley; 2 carrots, whole; 1/2 cup butter; 30 small white onions, cooked; 30 fresh mushrooms, quartered; salt and white pepper.

Heat oil in large pot. Add flour and cook until foamy. Stir in garlic, wine, broth and bring to a boil. Add celery, parsley and carrots. Cover and simmer about two hours or bake at 350 degrees until beef is tender. Discard celery, parsley and carrots.

Saute mushrooms and onions in butter. Add to beef mixture and simmer until thoroughly hot; adjust seasonings. Transfer to a shallow three quart casserole dish.

**Corn Bread Topping**

2 eggs, well beaten; 1 1/2 cups milk; 3/4 cup melted shortening; 2 tablespoons chopped green peppers, or chiles or jalapeno peppers; 2 tablespoons chopped onion; 2 tablespoons chopped pimento; 3/4 cup grated American cheese; 2 1/2 cups flour; 1 teaspoon salt; 2 tablespoons baking powder; 2 tablespoons sugar; 4 tablespoons plus 1 teaspoon cornmeal.

Mix egg, milk and shortening. Add green peppers, onions, pimento and cheese to the flour, salt, baking powder, sugar and cornmeal. Add milk mixture and stir only enough to mix. Mold foil to fit casserole. Add corn bread mixture and bake on a greased cookie sheet at 450 degrees until crisp. Remove foil and slide cornbread mixture onto top of casserole. Garnish with watercress and slivered horseradish.

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THE FLORIDA CATTLEMAN / JUNE 1979 / 59
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An invitation!
The Florida CowBelles Association cordially invites all ladies attending the state conventions to a reception, Thursday morning, June 28, 1979, 10:15 "til 11:15 a.m.

Mrs. Katharine Simms, president, says, "We would like you to meet our American National CowBelle president, Rose Harris, our state officers and many interesting people.

"Mrs. Ruth Ann Fowler, home extension economist from Hillsborough County, will be our special guest.

"Refreshments will be served. Please come and let's get better acquainted."

tecido, Dir: John E. Hawkins, Monticello.
LAKE (Tavares) — Pres: Stan Bainter, Eustis; Dir: Donald Brownson, Clermont.
LEON (Tallahassee) — Pres: P. H. Roberts, Tallahassee; Dir: James Fagarty, Tallahassee.
LEVY (Bromos) — Pres: Donald Quincey, Chiefland; Dir: J. P. Sandlin, Williston.
MADISON (Madison) — Pres: Ron Smoak, Madison; Dir: Don Smoak, Madison.
MANATEE (Palmetto) — Pres: Henry Parrish, Myakka City; Dir: Vick Blackstone, Parrish.
MARION (Ocala) — Pres: Jack Collins, Ocala; Dir: Cecil Perry, Belleview.
MARTIN (Stuart) — Pres: Paul McMillion, Indiantown; Dir: Dick Kelley, Stuart.
NASSAU (Callahan) — Pres: Arthur Lynn, Hilliard; Dir: E. D. Gregory, Jacksonville.
NORTHWEST (Santa Rosa Escambia) — Pres: Jerry Hall, McDavid; Dir: Jerry Hall, McDavid; Marion Tidwell, Milton.
OKCECHOBE (Okeechobee) — Pres: Pete Clemens, Okeechobee; Dir: J. C. Bass, Okeechobee;
ORANGE (Orlando) — Pres: Laverne Yates, Orlando; Dir: Joe Walter.
OSCEOLA (Kissimmee) — Pres: Andy Chisholm, St. Cloud; Dir: Irla (Bud) Bromson, Kissimmee.
PALM BEACH (Belle Glade) — Pres: Alvaro Sanchez, Belle Glade; Dir: Dave Young, Loxahatchee.
Pasco (Dade City) — Pres: A. O. “Pete” McFareod, Dade City; Dir: Joe Barble, Dade City.
POLK (Bartow) — Pres: Harris W. Fusell, Polk City; Dir: Al Bellotto, Lakeland.
PUTNAM (Palatka) — Pres: Hugh Byrd, Pomonka Park; Dir: W. Tilton, Jr., East Palatka.
SARASOTA (Sarasota) — Pres: Artlin Hawkins, Sarasota; Dir: B. T. Longino, Jr., Sarasota.
SEMINOLE ( Sanford) — Pres: Edward Yarborough, Geneva; Dir: Wayne Jacobs, Oviedo.
ST. JOHNS (St. Augustine) — Pres: Richard Pace, St. Augustine; Dir: Allen Nease, St. Augustine.
SUMTER (Bushnell) — Pres: A. W. Lee, Jr., Wildwood; Dir: Aubrey C. Aucar, Oxford.
SUWANEE (Live Oak) — Pres: Hugh Mills, Live Oak; Dir: Frank Garrett, Mayo.
TAYLOR (Perry) — Pres: Rudolph Parker, Perry; Dir: Robert Tall, Perry.
VOLUSIA (Deland) — Pres: Stanley Cowart, Seville; Dir: Elmer McDonald, Daytona Beach.
WEST FLORIDA (Gulf, Bay, Franklin, Calhoun, Liberty, Wakulla) — Dir: (Bay) J. W. Lowrey, Calhoun; (Gerald) Cayson, Blountstown; (Liberty) O. B. Shuler, (Wakulla) Jerry Spears, Crawfordville.

Sale toppers!
About the highest prices to date for calves were reported by Pete Clemens, Okeechobee Livestock Market, Okeechobee, at the market sales of April 30-May 1.

Clemens reports that Sunset Ranch, Kenansville, and Wayne Carlton, Fort Pierce, topped the market at $2.50.
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Mtrs. L. H. (Tommy) Thompson, Jr.
and J. W. “Buddy” Clark
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West Florida Livestock Market*
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482-8984 MARIANNA, 32446

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Columbia Livestock Market*
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Cattle Auctions Every Thursday
H. Tom Willis, Mgr. Ph. 904/755-2300
LAKE CITY, 32055

Mills Auction Market*
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Cattle Auction Every Thursday
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OCALA, 32670

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LAKELAND, 33802

Interstate Livestock Market*
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Sumter County Farmers Market
Auctions Every Tuesday
Lamar Hall • Ph. 904/793-2021
WEBSTER, 33597

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

Tindel Livestock Market*
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GRACEVILLE, 32440

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Mrs. Lucy Gunn

Mrs. Lucy Buckels Gunn of Kissimmee passed away on April 13, 1979. She was the widow of the late June Rawls Gunn, Osceola County Agent for almost 40 years before passing away in 1965.

June Gunn served nearly 32 years as state secretary of the Florida Cattlemen's Association. Both he and Mrs. Gunn were active in Silver Spurs activities, he being a charter member.

Mrs. Gunn was active in the Osceola Cattlemen's Association and CowBelle activities through the years and was a strong supporter of the state cattlemen's association.

In a resolution submitted to the Florida Senate in 1965 by the late Senator Irlo Bronson, Kissimmee, and then Senators Ben Hill Griffin, Frostproof, and Etter Usher, Chiefland, which was unanimously adopted by the legislature, in recognition of Gunn's dedication to the industry, Mrs. Gunn was recognized as "his devoted widow, partner, and helpmate . . ."

Mrs. Gunn had been a resident of Kissimmee for many years.

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1975-1976
- Angus Heifer
- Brangus Bull
- Brangus Exhibitor
- Charolais Bull
- Charolais Heifer
- Charolais Exhibitor

1976-1977
- Angus Bull
- Angus Heifer
- Angus Exhibitor

- Charolais Bull
- Charolais Heifer
- Charolais Exhibitor
- Santa Gertrudis Bull

1977-1978
- Angus Heifer
- Charolais Bull
- Charolais Heifer
- Charolais Exhibitor
- Limousin Bull
- Limousin Female
- Limousin Exhibitor

1978-1979
- Angus Bull
- Charolais Bull
- Charolais Heifer
- Limousin Bull
- Limousin Heifer

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Hearings on meat pricing held

A series of public hearings on meat pricing have been held across the nation in recent weeks. The hearings have been conducted by a task force appointed by Secretary of Agriculture Bob Bergland and chaired by P. R. Smith, assistant secretary of agriculture for marketing and transportation services. Mrs. JoAnn Smith, Wacahoota, chairman of NCA’s beef promotion and consumer relations committee, is one of 10 members serving on the force.

At the hearing held in Amarillo, Texas, April 26, C. T. ‘Tad’ Sanders, general manager of Livestock Marketing Association, Kansas City, Missouri, said that livestock and meat pricing information “is news” in capital letters,” and should not be policed by the government in testimony before the task force.

Ross Brothers and Dietrich’s takes honors at Palatka

Winners in the open Santa Gertrudis competition at the Putnam County Fair, Palatka, listed to the first three places, with the number of entries shown in parentheses, follow:

Senior heifer calf, calved 1/1/78 thru 5/31/78 (4)—Miss

Junior heifer calf, calved 5/1/77 thru 8/31/77 (2)—

Senior heifer calf, calved 9/1/77 thru 12/31/77 (3)—

Junior heifer calf, calved 5/1/77 thru 8/31/77 (2)—

Miss Thomas 738, Thomas; Two year old heifer calf, calved 1/1/76 thru 6/30/76 (1)—

Miss Thomas 547 (senior champion), Thomas; Two females (5)—Dietrich; Ross; Thomas;

Junior bull calf, calved 1/1/78 thru 5/31/78 (5)—Raider

Senior bull calf, calved 9/1/77 thru 12/31/77 (2)—

Miss Superb Masterpiece (reserve junior champion), Dietrich; Raider 82, Ross; Summer yearling bull, calved 5/1/77 thru 8/31/77 (2)—

No Name 747 (reserve grand champion, junior champion), Ross; Tarzan 765; Thomas; Junior yearling bull, calved 1/1/77 thru 4/30/77 (3)—

Staff Stuff 761 (grand champion, senior champion), Ross; Raider 728, Ross; Jake ‘728, Thomas; Senior yearling bull, calved 7/1/76 thru 12/31/76 (1)—

No Name 700, Ross; Two year old bull, calved 1/1/76 thru 6/30/76 (1)—

Tarzan 631, Thomas; Aged bull, calved 7/1/75 thru 12/31/75 (1)—Tarzan, Thomas;

Two bulls (4)—Ross; Rose; Thomas; Pair of yearlings (2)—Thomas; Thomas; Pair of calves (5)—Dietrich; Ross; Ross; Produce of dam (2)—Ross; Thomas; Gest of sire (3)—Ross; Thomas; Dietrich; Best Polled (5)—Ross.

Ross Brothers, Branford, showed the grand champion Santa Gertrudis bull at the Putnam County Fair.

Dietrich’s Flying D Ranch, Orlando, showed the grand champion Santa Gertrudis female at Palatka.

Ross Brothers, exhibited the reserve grand champion Santa Gertrudis female at Palatka, shown with Ty Ross.

RANGE  Grand Champion Santa Gertrudis bull at Palatka was owned by the Ross Brothers.
Range management society active in Florida
by LEWIS L. YARLETT
Range Conservationist, IFAS
Since 1960 members of the Society for Range Management have been active in Florida encouraging and providing technical expertise in the proper use and management of native grassland resources in Florida. Within the past three years the Florida Chapter of SRM has sponsored a number of field tours and demonstrations. As many as 75-125 persons have been in attendance on each of these tours. Those attending have seen first hand the application of sound range management practices. They have learned to recognize the most important native grasses, how to control saw palmetto and apply planned grazing systems.

The Society of Range Management was organized in Salt Lake City, Utah, in 1940. It was logical that it was organized in the west since that is where the bulk of rangeland occurs. The organizers had the foresight and vision to recognize the value of rangelands as an important natural resource. It was not long however that members of SRM saw a need in other parts of the U. S. and the world. The Southern Section of SRM was organized in 1951 and included the southern states and Florida. The need for a more local interest group has led to the organization of a Florida Chapter of SRM formed in 1977.

The objectives of the Florida Chapter of SRM has the same objectives as the parent organization. These are:
1) Develop an understanding of range ecosystems and the principles applicable to the management of these native resources. In Florida this means the recognition, understanding and management of flatwoods, fresh marshes, and sand ponds, sloughs and salt marshes. In addition, the most desirable grasses associated with these sites have come to be recognized as important in a livestock operation. These include creeping bluestem, maiden cane, chalky bluestem, little blue maiden cane and indiangrass.
2) To assist all who work with range and grazeable woodlands to keep informed of new findings and techniques in the art and science of range movement. Two publications, the popular “Rangelands” and the technical “Journal of Range Management” keeps all members of SRM informed. A minimum of two tours a year provides Florida members with an opportunity to observe range management practices.
3) To improve the effectiveness of range management to obtain from range resources the products necessary for man’s welfare. The Florida Chapter of SRM strives to seek management of Florida’s grazing resource to obtain the maximum production. This is reflected in a balanced forage program and economical production of livestock products, better use of soil and water resources and habitat improvement for wildlife. These are obtainable through grazing systems, palmetto control, fencing, supplemental feeding and herd management. Deer, turkey, and especially quail are a product of range and grazeable woodland ecosystems, the management of which improves both quality and quantity of these species.
4) To create a public appreciation of the economic, social and environmental benefits to be obtained from the range resource. The Society for Range Management, through the Florida Chapter invites all persons to their tours and meetings. These are held at least twice a year on local ranches, research stations and other areas where the results of applied range management may be seen. The Southern Section publishes a newsletter five or six times a year to inform members of activities.

Membership in Florida in the Society for Range Management doubled the past two years due to local chapter activities. Membership includes ranchers, professionals in range, agronomy, wildlife and resource planners. Academic members include educators as well as students in Range Ecosystem Management at the University of Florida. Anyone engaged in or interested in the aspects, study or management and use of Florida’s approximately ten million acres of native rangelands and grazeable woodlands is eligible for membership in the Society for Range Management.

Further information on activities of the Florida Chapter, Society for Range Management may be obtained from Max Hammond, president of the Florida chapter, P. O. Box 250, Bartow, 33830, or Sam Polston, secretary, Soil Conservation Service, Sebring, 33870.

Tedder wins carcass award
John Tedder, a Lake County FFA’er, won the 1979 County Carcass Contest with a 1120 pound steer fitted for a show earlier this year.

Tedder received recognition for winning the honor at the 1979 Beef Cattle Short Course, held recently at Gainesville.

The award, sponsored jointly by International Mineral and Chemical Company and Gainesville Stockman’s Supply, was presented by John Hunt, Bartow, of IMC. Hunt said there were 303 carcasses in the 1979 contest that the Tedder steer won.

Commercial red meat output in Florida for March 1979 was 23.2 million pounds, down 30 percent from March 1978, according to USDA.
And what a sale it will be.
This year featuring 40 to 50 two year old heifers out of King Ranch's foundation herd of Santa Gertrudis beef cattle. As well as the usual 20 or so bulls. All of them herd bull quality.

The morning of the sale, approximately 30 colts and fillies will be sold at auction from King Ranch's foundation Old Sorrel Family of Quarterhorses.

It's your chance to join King Ranch in its pursuit of perfection by introducing these foundation bloodlines into your herd or brood.

Horses at 10:00 AM. Cattle at 1:30 PM.
Catalogue available on request.

For catalogue write King Ranch, Kingsville, Texas 78363, or call (512) 592-6411.
‘Ona’ Star grass is grazing and hay variety

EDITOR’S NOTE—The research on Ona Star grass has been performed by E. M. Hodges, L. S. Dunavin, P. Mislevy, O. C. Ruelke and R. L. Stanley, Jr., and the following article was jointly furnished by them.

‘Ona’ Star grass is being released to growers as a grazing and hay variety for use in Florida southward from Brooks-ville and Orlando. This tall-growing, perennial member of the Bermuda grass family is best suited to moist but well-drained soils of above-average fertility. Ona Star grass resembles “McCaleb” Star grass but yields slightly more forage and forms a sod of greater density. It is vegetatively planted by scattering 10 to 15 bales per acre of freshly cut, stemmy grass on a thoroughly prepared seed bed, followed by disking and rolling.

Fertilizer and lime treatments for establishment are similar to those required for other grasses—300 pounds per acre 16-8-8 fertilizer soon after planting and with lime applied according to soil test. Fertility needs for production purposes are relatively high. Acreage planted to this grass should be limited to an amount which can be well fertilized and intensively managed.

Ona Star grass, once established and managed in a systematic way, competes successfully with common Bermuda grass and Bahia grass. Heavy stocking and continued close grazing will destroy the stand. Growth is excellent during October and November if the fertility level is high, production at this time being much higher than on Pangola and Bahia grasses. Grazing or harvesting of Ona Star grass should be completed while forage is still in the green, growing stage. A heavy frost kills most top growth and feeding value is lost rapidly. Hay crops should be harvested after four to five weeks of growth.

Young leaves of heavily fertilized Ona Star grass have a high hydrocyanic acid potential (HCN-p) when tested in the laboratory but there has been no harmful effect of this high HCN-p on grazing animals during seven years of grazing at the Agricultural Research Center, Ona. As a matter of good management, extremely hungry animals should never be turned into heavily fertilized Star grass in the early stages of growth.

Its ability to maintain a stand together with good yields and feeding quality give the grass special value in areas of south-central Florida where Digit grasses have given way to less productive varieties.

Information on planting material for increase blocks of Ona Star grass can be obtained from: Florida Foundation Seed Producers, Inc., P. O. Box 14006, University Station, Gainesville, Florida 32604 or Agricultural Research Center, Rt. 1, Box 62, Ona, Florida 33865.

Cellon gets honors from USDA

Ralph W. Cellon, Jr., Alachua, chairperson of the Florida State Agricultural Stabilization and Conservation Committee (ASCS), has been honored by USDA in being selected to receive the Administrator’s Award for service to agriculture.

He was selected by Ray Fitzgerald, administrator of the Agricultural Stabilization and Conservation Service (ASCS). The award is recognized in ASCS as the highest form of recognition received by individuals. The award recognizes outstanding achievements and exceptional performance of employees and committee members in their service to agriculture. Formal presentation to Cellon and 15 other national winners from across the nation were to be made May 22 in Washington, D. C.

Cellon was cited in receiving the award for his outstanding leadership in the effective and productive administration and execution of ASCS programs resulting in farmers’ increased knowledge and participation in ASCS programs. It was noted that he demonstrated an exemplary record of conscientious devotion to farmers and

Creep feeding— who needs it?

One of the good things about crossbreeding with purebred Santa Gertrudis bull is that expensive and troublesome creep feeding is seldom necessary. Your cows give more milk than ever before, and the calves are whoppers by weaning time, right off mama and grass.

The cows rarely need help in calving either, even when bred at 15 to 16 months. The calves aren't too large at birth, but after they're born just watch 'em gain!

In fact that's about all you have to do. Santa Gertrudis were developed on the range, and they know how to take care of themselves.
ASCs in its untiring efforts and determination to ensure all farmers' awareness of all ASCs programs and their benefits. Under his leadership, county office information activities have been increased; there are now more newsletters issued to farmers; more radio programs; better participation in county fairs and public exhibits, and better relations with the news media. It was pointed out that because of better information efforts to ensure awareness of ASCs programs, there has not been a single appeal in which the appellant stated he had not received adequate information.

America's First Beef Breed
SANTA GERTRUDIS BREEDERS INTERNATIONAL

For more information on Santa Gertrudis ask the following breeders:

Clarendon Plantation
Burton, SC
Cove Bend Ranch
Pond City, FL
George H. Collepeper
Longwood, FL
D. Russell Daniel
Okeechobee, FL
H. E. Danner Co. Inc.
Glenville, GA
Davis Double D. Farms
Smithville, TN
Dietrich Brothers
Orlando, FL
Roy C. Dietrich
Orlando, FL
Santa Bar D Farm
Lake Wales, FL
Double D Ranch
Okeechobee, FL
Double R J. Farm
Summerfield, FL
R. C. Durr
Independence, KY
K. D. Eamton Ranches
Pompano Beach, FL
El Rancho Indiantown, FL
R. A. Feagle
Lake City, FL
Ritceo Ranch
Vero Beach, FL
Blackwater Farms
Jasper, AL
Mr. & Mrs. R. W. Gaines, Jr.
Ocala, FL
River Oaks Ranch
Donaclson, FL
Santa Fe Ranch
Santa Fe, FL
Andy Haman
Brunswick, GA
Harley Watson Ranch
Lake Harbor, FL
Harwell & Harwell
Lakeeland, FL
Hickory Hill Ranch, Inc.
Anthony, FL
Bob & Beverly Holderoff
Pompano Beach, FL
Hooper Farms
Ocala, FL
Mr. & Mrs. Myles Horstman
Ochopeeckee, GA
David A. Johnson
Maitland, FL
Johnson Brothers
Pompano Beach, FL
Jones & Moore
Jay, FL
Wilton Jones
Tifton, GA
L. Gary Lamb
Indiantown, FL
Little Everglades Ranch
Dade City, FL
Laurel Oak Farm
Wellborn, FL
Coley Lott
Dover, FL
Arthur E. Lynn
Callahan, FL
G. J. Ranch
Vero Beach, FL
H & H Farms
Santa Fe, FL
M. J. Ranch
Vero Beach, FL
Thomas R. McGeehe
Jacksonville, FL
Laudie E. McHenry, M.D.
Melbourne, FL
Pete Miller
Atapulgus, GA
Mills/Triple M Farms
Atlanta, GA
W. D. Mizell & Sons
Callahan, FL
Tama Moody
Vero Beach, FL
S. L. Nelson
Live Oak, FL
Robert B. Oser
Lake Placid, FL
Ed Partin Jr.
St. Cloud, FL
Claude John Pellicer Jr.
Bunnell, FL
Kenneth L. Perkins
South Bell Gaile, FL
Roger Ponder Farms
Orange, FL
G. E. Poscher
Live Oak, FL
Ringo Ranch
Imokalee, FL
Charles A. Riva
DeFuniak Springs, FL
Frank Robinson
Atlanta, GA
Ross Brothers
Branford, FL
Charles M. Rowe
Macclenny, Florida 32063
Winnstead Plantation
Thomassville, GA
Mountain Valley Farm
Hartville, AL
Joe H. Scott
Live Oak, FL
J. J. Wiggins
Williston, FL
Joe Wattleworth
West Palm Beach, FL
Stage Coach Ranch
Dade City, FL
James E. Stephenson
Miami Lakes, FL
Gertrude & Mary Stevens
St. Cloud, FL
Sugar Hill Plantation
Allendale, SC
Sunshine State Steers, Inc.
Loxahatchee, FL
Susanneer Point Ranch
St. Petersburg, FL
T-3 Ranch
Miami Shores, FL
Dwight L. Thomas
Lake City, FL
Diamond T Ranch
Hunttville, AL
Erie & Penny Wagner
Ocala, FL
George & Dorothy Warga
West Palm Beach, FL
Frank N. Warren
Morriston, FL
Joe Wattleworth
Williston, FL
J. J. Wiggins
Moore Haven, FL
Leland A. Withers
Austell, GA
Charles C. Wolf
Daytona Beach, FL
Paul E. Hatfield
Eustisville, FL
Shelter Land & Cattle Co. Fla. Division
South Bay, FL
Eaton & Johnson Cattle Co.
Pompano Beach, Florida
Hugh E. and Ouida W. Carr
Donalsonville, GA.

FOR MORE INFORMATION ON SANTA GERTRUDIS BREEDERS INTERNATIONAL, CONTACT:

Roy F. Albritton
Boling Green, FL
John B. Armstrong
Kingsville, TX
Aves Manor Park, Inc.
Naples, FL
Big B Ranch
Belle Glade, FL
Big Bear Ranches
Loxahatchee, FL
Zane C. Blanton
Persh City, FL
Blount & Hyde
Lake Placid, FL
Blue Cypress Lake Ranch
Beaumont, TX
Bennie Farms
Grand Bay, AL
Sidney Boswell
Brunswick, GA
Branford Hills Farm
Bett Page, TN
Brownell Moog & Assoc.
Ocala, FL
Joe & Ruth Bryan
Orlando, FL
Troy Burrell
Marion, FL
Troy E. Burrell, Jr.
Morton, FL
C & S Ranch
Dunnellon, FL
Cicero & R Ranch
Els, AL

Florida Santa Gertrudis Association
2922 N. State Road 7, Margate, FL 33063
Fred Dietrich III, Pres. • K. D. Eatmon, Sec.-Treas.
Member of Santa Gertrudis Breeders International, Kingsville, Texas

THE FLORIDA CATTLEMAN / JUNE 1979 / 69
Ad valorem taxes—a forgotten beef cattle production expense

by BEN ABBITT, TIM HEWITT and FRANCIS MORITZ

The most common form of taxation on Florida agriculture is the ad valorem tax. This tax is an annual charge assessed against the appraised value of real properties. Land, buildings, and improvements to land, for instance, and a pasture irrigation system are all examples of real property. We’ll use permanent pastureland as our example of real property in this article.

Property taxes are oftentimes a forgotten expense in beef cattle production. Why are they forgotten? These taxes are what economists call a fixed cost. This cost is incurred whether pastureland is kept in top condition or let return to its native, ungrazed state.

The property tax is fixed in the sense that as long as you own pastureland and it is grazed or not stocked you will incur such a tax. The tax levy will not necessarily be the same dollar amount each year. The property tax can be likened to having your automobile insurance premium deducted from your checking account. A premium is deducted regularly whether you drive the car or let it sit. Property taxes on pastureland, like automobile insurance premiums, are cash outlays that are paid annually. This payment is oftentimes forgotten or overlooked by beef cattle producers; particularly those whose books are kept by accountants. Payment of property taxes cuts into profits just like other costs, such as outlays for fertilizer and minerals.

Let’s briefly review the purposes of ad valorem taxes, what an agricultural land appraisal is, and how pastureland is appraised for ad valorem taxation purposes in Florida.

What purpose is served?

The ad valorem property tax, established prior to 1880, has long been a part of our history. This tax system replaced the taxation methods brought from Europe and used during the colonial period. In those early years the property tax revenue supported local governments. Today ad valorem property tax revenue still funds local governments. In addition, ad valorem taxes now help finance public school systems, hospitals, sewage systems, and construction and maintenance of roads. Hence, the major reasons for ad valorem taxation today are to raise revenue to fund local governments and to finance governmental public services.

Ad valorem taxes do not depend on current economic activity like sales taxes, hence they assure government reasonable certainty and timeliness of collection. That is, by law they are collected annually and budgeted yearly.

### Table 1.—Estimated Annual Revenue and Expenses, 100-Cow Herd on 200 Acres of Permanent Pasture, Florida, 1979

<table>
<thead>
<tr>
<th>Item</th>
<th>Description</th>
<th>Unit</th>
<th>Quantity</th>
<th>Price</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>I. Revenue</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>--- Dollars ---</td>
</tr>
<tr>
<td>Cows</td>
<td>Cull, 1000# @ $55 /cwt., sold in Sept.</td>
<td>head</td>
<td>13</td>
<td>550.00</td>
<td>7,150.00</td>
</tr>
<tr>
<td>Heifers, 2 yr. old, 853#/cwt., sold in Sept.</td>
<td>head</td>
<td>4</td>
<td>759.05</td>
<td>3,036.20</td>
<td></td>
</tr>
<tr>
<td>Calves</td>
<td>85% calf crop</td>
<td>head</td>
<td>22</td>
<td>300.00</td>
<td>6,900.00</td>
</tr>
<tr>
<td>Steers</td>
<td>475#/ @ $82/cwt., sold in Sept.</td>
<td>head</td>
<td>43</td>
<td>389.50</td>
<td>16,748.50</td>
</tr>
<tr>
<td>Total revenue</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>33,854.70</td>
</tr>
<tr>
<td>II. Cash expenses</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>---</td>
</tr>
<tr>
<td>Fertilizer</td>
<td>3 cwt./acre, 4-12-12, custom applied</td>
<td>lbs.</td>
<td>200</td>
<td>14.90</td>
<td>2,980.00</td>
</tr>
<tr>
<td>Supplemental feed 2/</td>
<td>32% Fortified molasses @ 2.5 lb/AU/day, fed 120 days</td>
<td>lbs.</td>
<td>200</td>
<td>10.00</td>
<td>2,000.00</td>
</tr>
<tr>
<td>Hay 3/</td>
<td>15#/AU/day, fed 120 days</td>
<td>ton</td>
<td>17.3</td>
<td>115.00</td>
<td>1,990.00</td>
</tr>
<tr>
<td>Mineral</td>
<td>.50 cwt./acre N</td>
<td>ton</td>
<td>103.5</td>
<td>35.00</td>
<td>3,633.00</td>
</tr>
<tr>
<td>Vet. supplies</td>
<td>150#/AU/yr., average 136 AU</td>
<td>ton</td>
<td>2.72</td>
<td>175.00</td>
<td>476.00</td>
</tr>
<tr>
<td>Semen test bulls</td>
<td>Medicine, vaccine and insecticide</td>
<td>head</td>
<td>4</td>
<td>15.00</td>
<td>60.00</td>
</tr>
<tr>
<td>Misc. practices</td>
<td>Dragging and mowing pastures, feeding hay, checking fences and cattle</td>
<td>cow</td>
<td>100</td>
<td>.50</td>
<td>50.00</td>
</tr>
<tr>
<td>Repairs</td>
<td>Buildings and fences</td>
<td>acre</td>
<td>200</td>
<td>3.00</td>
<td>600.00</td>
</tr>
<tr>
<td>Taxes</td>
<td>Personal property on livestock</td>
<td></td>
<td></td>
<td></td>
<td>---</td>
</tr>
<tr>
<td>Land taxes</td>
<td>On operating capital, 7 mos. @ 9% per annum</td>
<td>dollars</td>
<td>13,034</td>
<td>.0525</td>
<td>684.00</td>
</tr>
<tr>
<td>Interest</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>13,718.00</td>
</tr>
<tr>
<td>Total cash expenses</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>---</td>
</tr>
<tr>
<td>III. Non-cash expenses</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>---</td>
</tr>
<tr>
<td>Bull depreciation</td>
<td></td>
<td>head</td>
<td>4</td>
<td>140.00</td>
<td>560.00</td>
</tr>
<tr>
<td>Buildings and machinery depreciation</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>596.00</td>
</tr>
<tr>
<td>Total non-cash expenses</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>1,156.00</td>
</tr>
<tr>
<td>IV. Total expenses</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>14,874.00</td>
</tr>
<tr>
<td>V. Return to land, labor, capital, and management</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>18,960.70</td>
</tr>
</tbody>
</table>

---

2/ 85% calf crop; 17% cow cull rate with heifer calves saved as replacement, and 4 bulls.

3/ Choice grade.

4/ Production cost $35.00/ton from surplus grass (including mowing, baling, and hauling).
Table 2.--Estimated Annual Revenue and Expenses, 100-Cow Herd on 200 Acres of Permanent Pasture, Florida, 1977a/b

<table>
<thead>
<tr>
<th>Item</th>
<th>Description</th>
<th>Unit</th>
<th>Quantity</th>
<th>Price</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>I. Revenue</td>
<td>Cull, 100# @ $22/cwt., sold in Sept.</td>
<td>head</td>
<td>13</td>
<td>350.00</td>
<td>4,450</td>
</tr>
<tr>
<td></td>
<td>Heifers, 2 yr. old, 89% @ $20/cwt., sold in Sept.</td>
<td>head</td>
<td>4</td>
<td>375.00</td>
<td>1,500</td>
</tr>
<tr>
<td></td>
<td>Calves, 85% calf crop</td>
<td>head</td>
<td>4</td>
<td>15.00</td>
<td>60</td>
</tr>
<tr>
<td></td>
<td>Heifers</td>
<td>head</td>
<td>23</td>
<td>192.00</td>
<td>4,416</td>
</tr>
<tr>
<td></td>
<td>Steers</td>
<td>head</td>
<td>43</td>
<td>232.50</td>
<td>10,212</td>
</tr>
<tr>
<td></td>
<td>Total revenue</td>
<td></td>
<td></td>
<td>20,578</td>
<td></td>
</tr>
<tr>
<td>II. Cash expenses</td>
<td>Fertilizer</td>
<td>lbs.</td>
<td>200</td>
<td>15.00</td>
<td>3,000</td>
</tr>
<tr>
<td></td>
<td>Supplemental feed</td>
<td>lbs.</td>
<td>200</td>
<td>10.00</td>
<td>2,000</td>
</tr>
<tr>
<td></td>
<td>Hay</td>
<td>ton</td>
<td>103.5</td>
<td>17.3</td>
<td>1,800</td>
</tr>
<tr>
<td></td>
<td>Mineral</td>
<td>ton</td>
<td>2.72</td>
<td>170.00</td>
<td>462</td>
</tr>
<tr>
<td></td>
<td>Vet. supplies</td>
<td>head</td>
<td>4</td>
<td>15.00</td>
<td>60</td>
</tr>
<tr>
<td></td>
<td>Semen test bulls</td>
<td>head</td>
<td>23</td>
<td>192.00</td>
<td>4,416</td>
</tr>
<tr>
<td></td>
<td>Misc. practices</td>
<td>head</td>
<td>43</td>
<td>232.50</td>
<td>10,212</td>
</tr>
<tr>
<td></td>
<td>Total cash expenses</td>
<td></td>
<td></td>
<td>12,493</td>
<td></td>
</tr>
<tr>
<td>III. Non-cash expenses</td>
<td>Bull depreciation</td>
<td>head</td>
<td>4</td>
<td>140.00</td>
<td>560</td>
</tr>
<tr>
<td></td>
<td>Building and machinery depreciation</td>
<td></td>
<td></td>
<td>596</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Total non-cash expenses</td>
<td></td>
<td></td>
<td>1,156</td>
<td></td>
</tr>
<tr>
<td>IV. Total expenses</td>
<td></td>
<td></td>
<td></td>
<td>13,649</td>
<td></td>
</tr>
<tr>
<td>V. Return to land, labor, capital, and management</td>
<td></td>
<td></td>
<td></td>
<td>6,929</td>
<td></td>
</tr>
</tbody>
</table>

---Dollars---

Table 3.--Estimated Annual Revenue and Expenses, 100-Cow Herd on 200 acres of Permanent Pasture, Florida, 1977a/b

<table>
<thead>
<tr>
<th>Item</th>
<th>Description</th>
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<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>I. Revenue</td>
<td>Cull, 1000# @ $35/cwt., sold in Sept.</td>
<td>head</td>
<td>13</td>
<td>350.00</td>
<td>4,450</td>
</tr>
<tr>
<td></td>
<td>Heifers, 2 yr. old, 89% @ $42/cwt., sold in Sept.</td>
<td>head</td>
<td>4</td>
<td>375.00</td>
<td>1,500</td>
</tr>
<tr>
<td></td>
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<td>20,578</td>
<td></td>
</tr>
<tr>
<td>II. Cash expenses</td>
<td>Fertilizer</td>
<td>lbs.</td>
<td>200</td>
<td>15.00</td>
<td>3,000</td>
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<tr>
<td></td>
<td>Supplemental feed</td>
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<tr>
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<td>Vet. supplies</td>
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<td></td>
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<tr>
<td></td>
<td>Misc. practices</td>
<td>head</td>
<td>43</td>
<td>232.50</td>
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<td>140.00</td>
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</tr>
<tr>
<td></td>
<td>Building and machinery depreciation</td>
<td></td>
<td></td>
<td>596</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Total non-cash expenses</td>
<td></td>
<td></td>
<td>1,156</td>
<td></td>
</tr>
<tr>
<td>IV. Total expenses</td>
<td></td>
<td></td>
<td></td>
<td>13,649</td>
<td></td>
</tr>
<tr>
<td>V. Return to land, labor, capital, and management</td>
<td></td>
<td></td>
<td></td>
<td>6,929</td>
<td></td>
</tr>
</tbody>
</table>

---Dollars---

a 85% calf crop; 17% cow cull rate with heifer calves saved as replacement, and 4 bulls.
b Choice grade.
c 115 AU wintered.d Production costs $25.00/ton from surplus grass (including mowing, baling, and hauling).
to governmental units in the counties. Since ad valorem taxes are an important revenue source for government, the potential burden on real property owners, like cattlemen, is substantial.

What is farmland appraisal?

Appraisal of farmland is a process of predicting the most probable selling price of property if offered for sale a reasonable length of time. The market value of farmland is the estimated prediction of the highest price in dollars which a buyer would pay and a seller would accept provided both were fully informed and acted intelligently and voluntarily. It is simply an appraiser's estimate of current value. Supply and demand actually determine the value of farmland on the open market.

Development and land speculation have been significant forces in driving the market values of some farmland much higher than could be justified by its earning ability in agricultural production. That is, yields from the farmland and unstable markets may not generate sufficient income for the note holder to make his mortgage payments over the length of the loan. The Florida legislature has tried to relieve the tax burden on land maintained in “bona fide agricultural use” (good faith commercial agricultural use of land is based upon; length of time land has been so utilized, continuous use, purchase price paid, size in relation to specific agricultural use, care of the land via accepted commercial agricultural practices, and terms of the leasing arrangement if applicable, etc.) by making special provision for taxing farmland at rates more in line with the land’s earning capacity. This provision, popularly referred to as the “Green Belt Law,” provides for assessing farmland on the basis of its present agricultural use and the income potential from that use. This agricultural use value is often called the classified use value. The ad valorem tax is annually levied upon the classified use value and not the market value, commonly called the just use value.

Appraisal approaches

There are three basic approaches property appraisers utilize to arrive at classified use values for farmland; the market approach, the cost approach, and the income approach. They normally use all three approaches when estimating classified use value for farmland. However, in Florida, the cost and market approaches are used sparingly for reasons pointed out later. First, let’s briefly examine these three approaches to classified use valuation.

Market approach: Evaluation by market data is based on the assumptions that one tract of pastureland is valued the same as recent sales of like tracts. Similar factors include such items as elevation, soil variety, productivity, grass variety, nearness to transportation routes and markets, and improvements to the land.

In areas where there are only infrequent sales of pastureland, the appraiser often has difficulty finding comparable sales where two parcels of pastureland have similar characteristics and similar productivity. In addition, much pastureland in Florida has a speculative component in its market price. Therefore, finding comparable sales where the pastureland changed hands strictly for agricultural purposes is often difficult, sometimes impossible. For these reasons, the market approach is used sparingly in estimating classified use value for pastureland.

Cost approach: When appraisers use the cost approach, a value is placed on the pastureland and then on the contribution of improvements to the pasture. The value of the improvements to the pastureland normally the current estimated replacement cost of the improvements (at the time the appraisal is made), minus the appraiser's observed depreciation. The value of pastureland (normally estimated by the market method) is then added to the contribution of improvements to calculate the total estimated classified use value.

Hence, this approach inherently assumes that value and cost are the same, which is not necessarily true in many cases. For example, the value of a newly installed pasture irrigation system is more than the current cost of its installation since the system is expected to improve the stand in the future and subsequently increase pounds gained and profits.

Often called the cost reproduction approach, the cost approach, like the market approach, is used sparingly in pastureland appraisal. Why? Because most value accrues to pastureland whose selling price is determined more by current use and income potential than on the current cost of improvements. This approach is used primarily in condemnation (eminent domain) proceedings. Here the government takes (condemns) pastureland for a public use (for example, widening a road) and the owner is paid just compensation (usually in dollars) for what he loses. The replacement cost of any improvement to the pasture that is taken is appraised and that value added to the value of the pastureland (by itself) can represent the just compensation to the land owner for its loss. The owner's physical loss (pastureland and improvements), though he is compensated (money), becomes the general public's gain (wider road).

Income approach: The main appraisal method used to estimate classified use values in Florida is the income approach. The value of pastureland is estimated by capitalizing expected income from it under typical management and production practices found in the area. “Typical” refers to those generally accepted management techniques performed on crops the land is suited to growing. Capitalization is the process of converting expected net income into a land value. The classified use value of the pastureland is estimated.

(Continued on page 94)
Childs named president of Hereford group

Tom Childs, Lake Placid, was reelected president of the Florida Hereford Association at the group's annual meeting, held recently at Gainesville.

Ron Smoak, Madison, was named vice president at the meeting, and Don Berry, Kissimmee, will remain secretary-treasurer.

Directors named to two year terms at the meeting were Pat Corrigan, Vero Beach; Ed Gregory, Jacksonville; Lovette Jackson, Gainesville; Curtiss Quarrier, Callahan; and Dan Childs, Lake Placid, director ex-officio.

Holdover directors include Sid Sumner, Bartow; Grover Walker, Del-uniak Springs; Ralph Thompson, Colquitt, Georgia, and Tom Cochrane, Fort Meade.

In other business, the group voted to revise index scores required for entry into the annual Southeastern Pen Bull Show and Sale at Bartow. A sale committee headed by Dan Childs was appointed to study the changes.

Childs reported that the 1979 Southeastern Pen Bull Show and Sale will be held on November 28-29 at Bartow. Association president Tom Childs also reported that the Florida Junior Hereford Association annual field day may be held in conjunction with the Bartow event this year.

Farm exports up!

U.S. farm exports to Hong Kong, which totaled $130.3 million in 1975, jumped to $206.1 million in 1977 and then to $395.4 million last year. Hong Kong is only about 400 square miles in size but it purchased $1.8 billion in agricultural products in 1976. U.S. exports compete closely with Thailand for the number two spot as a major supplier. The People's Republic of China is the leader.

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REGISTERED POLLED HEREFORDS

THE FLORIDA CATTLEMAN / JUNE 1979 / 73
JEFF MOTES, Palatka, showed the grand champion steer at the Putnam County Fair, the steer was purchased by Publix Markets.

RESERVE GRAND champion steer was exhibited by Donna Mullins, Palatka, the 1193 pound steer was purchased by Winn Dixie.

Two youth steer shows covered

Two youth steer shows and sales held in Florida were covered recently by members of The Florida Cattlemen staff.

Shows covered are Bradford-Union County Youth Fair, Starke, and Putnam County Fair Steer Show and Sale, Palatka.

Winners and other key highlights of the show follow.

Putnam County

Jeff Motes, Palatka, showed a Limousin (Continued on page 79)
FLORIDA CLUB CALF 4th ANNUAL

June 30, 1979
12:00 Noon

65 Top
Quality Angus,
Limousin,
Simmental and
Chianina steers

SALE OF
CHAMPIONS

Florida Club Calf Breeders will
award a $50 credit toward the next
purchase to anyone winning Grand
Champion honors at the County or
State level with a steer purchased
from here.

1979 Grand Champion Steers
at Central Florida Fair, Polk
County Youth Fair, North Flor-
ida Fair and three carcass
champions.

LOCATION—Facilities located north of
New State Fairgrounds on U.S. 92 at
medium of Interstate 4 and U.S. 92, east
of Tampa (½ mile west of U.S. 301 on
U.S. 92).

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Grazing cool-season annual pastures with growing, lightweight beef heifers vs. steers

by J. E. BERTRAND
ARC, Jay

Cool-season annual pastures, consisting of a mixture of rye, Rye grass, and Crimson clover, have produced good gains with growing, lightweight beef steers. Because lightweight beef heifers can usually be purchased considerably cheaper (approximately $10.00 per hundredweight) than comparable lightweight beef steers in the fall in northwest Florida, the use of heifers for grazing these pastures needed to be evaluated.

Thirty-two lightweight (average 413 pounds) feeder heifers and steers of British breeding (Angus and Angus X Hereford crosses), grading U. S. Good or better and each treated with a 36 mg ear implant of Ralgro® (a protein anabolic agent), were weighed and allotted at random from breed and sex groups to two experimental groups of eight steers and two experimental groups of eight heifers each. The four groups, utilizing two groups (replicates) per treatment, were assigned to two treatments (steers versus heifers) on pasture.

The pastures consisted of a mixture of ‘Wrens abruzzi’ rye, ‘Gulf’ Rye grass, and ‘Dixie’ Crimson clover. Each group of eight initial animals grazed four 1.25 acre plots in a rotational system.

The rye was planted in row widths of seven inches with a grain drill at the rate of 80 pounds per acre. The Rye grass and Crimson clover were top-seeded over the rye with a cultipacker-seeder at the rates of 11 and nine pounds per acre, respectively. All pastures were planted on October 17 and 18, 1977. A complete fertilizer (8-24-24) was applied to all pastures at planting time at the rate of 250 pounds per acre. Three applications of 100 pounds per acre each of ammonium nitrate were made during the grazing season. Grazing began on December 13, 1977.

Performance and economic data for the 163-day grazing period are listed in Table 1. Steers gained (P<0.01) faster than heifers (1.95 versus 1.58 lb./head/day, respectively). The animal gain per acre was 521 pounds with steers and 425 pounds with heifers. The stocking rate per acre was very similar. Therefore, because of the more rapid daily gain, steers had a larger gain per acre per day than heifers (3.20 versus 2.61 pounds, respectively).

The cost of gain was lower for steers on pasture than that of heifers ($19.58 versus $24.00/hundredweight, respectively) (Table 1). The off grazing cost per hundredweight, excluding labor and management, was $34.09 for steers compared with $31.40 for heifers.

Under the conditions of this study, the difference between the initial cost between steers and heifers was $9.20 per hundredweight; whereas the difference between the cost per hundredweight between steers and heifers at the end of the grazing period was $2.69 (Table 1). The steers had gained 61 pounds more than the heifers and were 67 pounds heavier.

<table>
<thead>
<tr>
<th>Item</th>
<th>Heifers</th>
<th>Steers</th>
</tr>
</thead>
<tbody>
<tr>
<td>Initial no. of animals</td>
<td>16(b)</td>
<td>16</td>
</tr>
<tr>
<td>Length of grazing, days</td>
<td>163</td>
<td>163</td>
</tr>
<tr>
<td>Avg. initial wt., lb.</td>
<td>410</td>
<td>416</td>
</tr>
<tr>
<td>Avg. final wt., lb.</td>
<td>667</td>
<td>734</td>
</tr>
<tr>
<td>Avg. gain/animal, lb.</td>
<td>257</td>
<td>318</td>
</tr>
<tr>
<td>Avg. daily gain, lb.</td>
<td>1.58</td>
<td>1.95**</td>
</tr>
<tr>
<td>Animal days/acre(c)</td>
<td>269</td>
<td>267</td>
</tr>
<tr>
<td>Stocking rate/acre(c)</td>
<td>1.65</td>
<td>1.84</td>
</tr>
<tr>
<td>Gain/acre, lb.</td>
<td>425</td>
<td>521</td>
</tr>
<tr>
<td>Gain/acre/day, lb.</td>
<td>2.61</td>
<td>3.20</td>
</tr>
<tr>
<td>Pasture cost/cwt gain(d)</td>
<td>$ 24.00</td>
<td>$ 19.58</td>
</tr>
<tr>
<td>Avg. cost/head of feeder(e)</td>
<td>$147.60</td>
<td>$188.03</td>
</tr>
<tr>
<td>Pasture cost/head of feeder</td>
<td>$ 61.82</td>
<td>$ 62.20</td>
</tr>
<tr>
<td>Total cost/head of feeder(f)</td>
<td>$209.42</td>
<td>$250.23</td>
</tr>
<tr>
<td>Off grazing cost/cwt(f)</td>
<td>$ 31.40</td>
<td>$ 34.09</td>
</tr>
</tbody>
</table>

(a) Rotational grazing of a mixture of ‘Wrens abruzzi’ rye, ‘Gulf’ Rye grass, and ‘Dixie’ Crimson clover.
(b) Initially, two groups of eight calves each.
(c) Additional grazer animals of the same type, sex, and size were added and removed as needed to keep the forage uniformly grazed.
(d) Pasture cost = $102.00/acre.
(e) Heifer calf cost = $36.00/cwt and steer calf cost = $45.20/cwt (includes cost of animals, hauling, veterinary costs, feed, etc.).
(f) Does not include labor and management.

** Significant at P<0.01.
When you combine a top bull battery with one of the breed's largest, most carefully selected cowherds, the results are predictable.

Every calf crop gets better.
Every set of replacement heifers performs better, adds more class or eye appeal.
Every group of purebred and commercial bulls offers greater potential.

In short, constant improvement. Something you can always expect from Zipperer Beefmasters. Proven herd sires like "Beauregard" help make it possible.

For Beefmasters you can rely on, look for the Z.
Rickards tops Beefmaster sale at Tifton

Rickards Beefmasters of Kenansville was the top volume buyer at the fourth annual Southeastern Beefmaster Breeders Association Sale, held April 13 at Tifton, Georgia.

The Florida rancher was listed as purchasing eight head for $26,900.

Other Florida buyers at the sale were Charles Harmon, Arcadia; Zipperer Beefmasters, Fort Myers; Tom Barfield, Immokalee, and Gamble Creek Beefmasters, Parrish.

Sale officials reported that 45 lots grossed $113,800 to average $2529. A breakdown of the averages showed 18 cow/calf pairs averaging $3181, four two-year-old bulls averaged $2425, three yearling bulls averaged $2016; 10 bred heifers averaged $1840; and 10 open heifers averaged $2240.

The top selling lot was a cow/calf consignment from Dixie Beefmasters, Enigma, Georgia. The 1972 cows sold with a three month old bull calf at side by Showboy II for $7700. The buyer was Kaffie Brothers, Corpus Christie, Texas.

Top selling bull was a three year old consigned by Bear Creek Farms, Franklin, Tennessee. Mountain View Beefmasters, Edgeville, South Carolina, purchased the animal for $3650.

The sale included consignments from nine Florida Beefmaster breeders.

Syler Sales Management, Inc., Burton, Texas, handled the sale management duties, and Gerald Bowie, West Point, Georgia, was auctioneer.

Harry Flint heads Lee cowmen

Harry Flint, Lehigh Acres, was elected president of the Lee County Cattlemen’s Association for the new year.

Serving as vice president is Nick Armeda of Fort Myers, with Jim English, Alva, elected secretary. Treasurer is Manny Elint of Fort Myers. Reelected as state director was Nat Hunter, Fort Myers.

Directors serving at the local level, all from Fort Myers, unless otherwise indicated are: Curtis W. Skates; Dave Langford, Alva; Paul Flint; Ronnie Flint and Hilton Sapp.

Zipperer renamed Beefmaster proxy

Jennie Lee Zipperer, Fort Myers, was reelected president of the Florida-Georgia Beefmaster Breeders Association at a recent meeting held at Tifton, Georgia.

Serving with Zipperer will be Bob Grebe, Bradenton, vice president, and Eddie Sheek, Marietta, Georgia, secretary-treasurer.
PAMELA MYRL CARTER, showed the
grand champion steer at the Bradford-
Union County Steer Show. The steer sold
to Publix for $3159.

Steer shows
(Continued from page 79)
cross steer to grand championship
honors in the Putnam County Youth
Steer Show held April 18, in Palatka.
Publix purchased the 1193 pound
steer for $2.60 per pound to net young
Motes $3101.80.
Donna Mullins showed the reserve
champion steer. The 1193 pound
Limousin cross steer sold to Winn Dixie
for $1.80 per pound to bring Miss
Mullins a total of $2147.40.
The sale saw 21 steers sell to bring a
total of $26,666.84. The total poundage
of steers was 22,039 to bring the average
price per pound to $1.21.
Publix was the volume buyer pur-
chasing seven head for $4998.74. Winn
Dixie was the second high buyer taking
five steers for $2817.13.

Bradford-Union
Pamela Myrl Carter, a 4-H'er from
Union County, showed the grand cham-
pion steer at the Bradford-Union
County Youth Steer Show and Sale,
held March 30, at Starke.
The 1053 pound Limousin cross
steer sold to Publix Markets for $3 per
pound to net Miss Carter $3159. Miss
Carter received $930 in add-ons to bring
the total sale price of her steer to $4089.
Jon Brown, a Union County
FFA'er, took reserve grand champion-
ship honors with his 1145 pound Limou-
sin cross steer. The steer sold to the
Community State Bank of Starke for
$2.49 per pound.
Thirty one steers sold in the sale to
gross $48,158.04 and average $1553.48
per head. The gross sale weight came to
34,231 pounds for an average sale
weight of 1104. The average price per
pound came to $1.40.
Sale officials reported that with add-
ons and ring sales the sale total came to
$69,240.71. This brought the average
price per pound to $2.02 and the average
per head to $2233.57.
Publix Markets was the volume
buyer purchasing six head for
$11,134.55. The second high buyer was
the Columbia County Livestock Market
with three head for $5213.07.

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595 Roll
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- Hard outer shell to resist weather,
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- 3/4 ton bales in hay or stover, 10 to
  15 tons per hour capacity
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density and size bales every time

Who says round balers have to be a tangle of belts and
chains that stretch or break? Not Owatonna. We've
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simplicity, dependability and a better end product all
rolled into one, it's the baler for you. Now in stock
at your Owatonna dealer:

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You can help to insure it by joining and supporting your local county
cattlemen's association, an affiliate of The Florida Cattlemen's Association. We're all working towards a better future for all of us.

FCA is working for you!

THE FLORIDA CATTLEMAN / JUNE 1979 / 79
He's one of our most consistent producers of top quality calves.

He sired the exceptional bull calf at upper left that went with the record setting cow-calf package at our 1978 sale.

His heifer pairs have sold for premiums.

Better still, the performance of his calves has been remarkable. His 1978 bull calves averaged 654 pounds at weaning; the heifers, 577. This year's calves are even better.

At 11 years old, he's sound and aggressive—settling 30-40 cows in our 90 day single sire breeding program.

War Paint. One of our many proven herd sires. Another reason why Barfield-bred purebred Beefmasters and commercial bulls lead the industry in performance and dependability.

Barfield Beefmasters. The Difference Between Good...And Great!
**Plans set for Angus events**

The board of directors of the Florida Angus Association met during the Beef Cattle Short Course at the University of Florida, Gainesville, and discussed plans for coming events. The meeting was chaired by J. R. Thompson, Marianna, president.

Charles R. Jenkins, Lakeland, chairman of the annual bull sale, reported the event would be held again this year at the Polk County Agriculture Center, Bartow. Sale date is December 8 with the bulls scheduled to be graded by a group of commercial cattlemen and extension personnel on December 7. Jenkins said Tom Gammon of Hurricane Mills, Tennessee, would cry the sale.

Leroy Baldwin, chairman of the fourth annual Southeastern Futuristic Angus Show and Sale, reported the dates would be February 13-16, 1980, at a site to be selected in central Florida. Baldwin said it was important for Florida breeders to participate by nominating cattle for the event.

Lisa Bozutto of Lake City was selected as Angus Queen to represent Florida at breed events in and out-of-state.

In a preliminary meeting of Angus breeders, John Crouch, Mauldin, South Carolina, regional manager for the American Angus Association, presented comments on Angus programs in general and showed slides on genetic defects.

**Chitty, RW Bar, Teague and Winter take Angus honors**

Winners at the Putnam County Fair Angus show, held recently at Palatka, listed by class to the first three places, with the number of entries in each class shown in parentheses, follow:

- **Junior heifer calves, calved 3/1/78 and after (2) — RW BAR'S Cover Girl 36, RW BAR Custom Fitters, Ocala; Briarhill Blackbird 4768, George & Viola Miller, Zephyrhills;**

- **Junior heifer calves, calved 1/1/78 thru 2/28/78 (3) — Stardust Erica 65%, grand champion, junior heifer calf champion Jeanne Chitty, Micanopy; Macedon Blackbird S115,** (reserve junior heifer calf champion), Calvin Winter, Tallahassee; Sport's Pride, Miller; Early spring yearling heifers, calved 5/1/77 thru 6/30/77 (1) — Gore Lady Northern 1627, (intermediate champion), Dale, Nancy, & James Bacon, Zephyrhills;

- **Junior bull calves, calved 3/1/78 and after (2) — Donnie's McHenry 328, (grand champion, junior bull calf champion), Walter W. Teague, Auburndale; Legend Battletar, (reserver junior bull calf champion), Glen M. Farms, Plant City; Junior bull calves, calved 1/1/77 thru 2/28/78 (1) — Oakey Rio Troubadour 9229, Winter; Early spring yearling bulls, calved 5/1/77 thru 6/30/78 (1) — RW BAR'S Northern Sensation 104 (reserver grand champion, intermediate champion), RW BAR.

**GRAND** Champion Angus bull was exhibited by Walter W. Teague, Auburndale, at the show in Palatka.

**STARDUST** Angus Ranch, Micanopy showed the grand champion Angus female at Palatka, shown by Jeanne Chit-

**CALVIN** Winter, Tallahassee, owned the reserve grand champion Angus female at the Putnam County Fair.

**RW BAR** Custom Fitters, Ocala, showed the reserve grand champion Angus bull at the Putnam County Fair.
FRM'S MINERAL MIX WITH ROL" TURNS YOUR CATTLE INTO EFFECTIVE FLY FIGHTERS.

NOW YOUR CATTLE CAN HELP YOU CONTROL ALL FOUR FLIES OF MAJOR ECONOMIC IMPORTANCE, WITHOUT SPECIAL HANDLING OR EQUIPMENT.

This summer, turn your cattle into tough, natural fighters against the four flies that constantly rob you of profits.

Free Choice FRM Mineral Mix with ROL® (Rabon® Oral Larvicide) lets your cattle protect and treat themselves.

Passing through the digestive tract, ROL is retained in the manure, where it remains to kill fly larvae shortly after they hatch.

By stopping development at this vital stage, you can control fly problems before they ever start to cut into your cattle production.

And FRM Mineral Mix with ROL will not harm your cattle. There are no adverse effects on health, weight gain, rate of gain, feed efficiency, carcass quality, or fertility.

In addition, ROL has no feedoff period in beef cattle, and is the only registered larvicide labeled for use in lactating dairy cattle.

The ROL in FRM Mineral Mix is both highly effective and entirely compatible with the environment. Beneficial insects like dung beetles develop naturally and unharmed. Also, manure from treated animals may be used as fertilizer on crops grown for human consumption.

Start feeding your cattle FRM Mineral Mix with ROL now, and continue throughout the fly season. You'll be giving them an effective weapon against a real profit-reducing enemy--flies.

See your local FRM dealer today.

MINERAL MIX WITH ROL™
Flint River Mills, Inc.
Bainbridge, Georgia
Effect of forage maturity on hay quality

Making high-quality hay in Florida can be a challenge. When grass is growing well, it may be raining every day and this means that hay-cutting is put off for another day, week or month. It is generally known that grasses decrease in quality as they grow and mature. Of course, there is a trade-off between yield and quality; as the time between cuttings is increased, yield increases but quality decreases. Proper timing and a careful watch on the weather can help produce the desired yield and quality.

What is forage quality?
The best way to describe forage quality is in terms of the performance of the animals eating it. The highest quality forage (e.g., alfalfa) may support daily gains of growing cattle equal to those achieved with grain. This level of performance is not expected with Florida’s summer perennial grasses, however. In some cases, beef cattlemen may want their cows to only maintain weight, and there is no need to have highest-quality hay for them.

Crude protein and total digestible nutrients (TDN) content are often used to indicate hay quality. These are important factors to know when balancing rations, but voluntary intake of TDN is a better estimate of quality because it is closely related to animal performance: the higher the TDN intake, the higher the performance.

Florida research
In cooperation with O. C. Ruelke of the agronomy department, Suwannee Bermuda grass and Pangola Digit grass were grown in pure stands on Pine Acres Ranch near Citra. Early in the season, nitrogen was applied (100 lb./A) and the winter and spring growth of grasses and weeds was removed (May 27 for Suwannee, June 4 for Pangola). Nitrogen was again applied to Suwannee after the first cutting (50 lb./A). First regrowth was harvested at two week intervals through 12 weeks of regrowth. After each cutting, the cut areas received nitrogen (100 lb./A). Second regrowths were harvested after four to 10 or 11 weeks regrowth in late August and September. The cutting schedule is in Table 1.

Hay and artificially dried, chopped and fed free-choice to sheep in order to determine voluntary intake and nutrient digestibility. Estimates were made of

Table 1. Effect of maturity on hay quality

<table>
<thead>
<tr>
<th>Date of cut</th>
<th>Weeks Regrowth</th>
<th>Protein Content (%)</th>
<th>TDN 1 (%)</th>
<th>TDN 2 Intake (times M)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Suwannee Bermuda grass</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>First regrowth:</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>6/10</td>
<td>2</td>
<td>20</td>
<td>63</td>
<td>1.6</td>
</tr>
<tr>
<td>6/24</td>
<td>4</td>
<td>14</td>
<td>58</td>
<td>1.4</td>
</tr>
<tr>
<td>7/8</td>
<td>6</td>
<td>9</td>
<td>55</td>
<td>1.3</td>
</tr>
<tr>
<td>7/22</td>
<td>8</td>
<td>8</td>
<td>48</td>
<td>0.9</td>
</tr>
<tr>
<td>8/4</td>
<td>10</td>
<td>7</td>
<td>46</td>
<td>0.8</td>
</tr>
<tr>
<td>8/18</td>
<td>12</td>
<td>6</td>
<td>45</td>
<td>0.8</td>
</tr>
<tr>
<td>Second regrowth:</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>8/31</td>
<td>4</td>
<td>18</td>
<td>57</td>
<td>1.8</td>
</tr>
<tr>
<td>9/1</td>
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1TDN estimated from digestible organic matter.
2TDN intake expressed as a relative value where: 1 = the maintenance requirement (e.g., a value of 1.4 is 140% of the maintenance requirement).
Solid research proves, and packers confirm: Angus are the most profitable for feeding.

Do you have to feed your cattle too long to make the USDA Choice Grade?
Are you tired of being docked for over-fat, low-yielding steers?
Then switch to Angus. Research proves today's Angus and Angus crosses get out of the feedlot fast—with both the quality and yield grade you need for top prices.
Tests at the University of Wisconsin showed Angus grade Choice from 15 to 65 days sooner than other breeds—saving you feed time and labor.
Kansas State University proved Angus have a genetic advantage for marbling in less time, without putting on excessive outside fat as occurs in most other breeds. You get Choice grade plus high yield.

In a University of Illinois survey of 226 slaughter and processing plants, an amazing 65% reported that Angus, including crossbreds, provided the most useful and profitable product—the reason for market-topping prices.
And today's modern Angus and most Angus crossbreds are big enough to gain 3 lbs. a day and still finish at 1,100 lbs. or less. They're efficient converters of feed and economical to handle.
So why don't you feed Angus—for higher-quality and higher-yielding carcasses with less time in the feedlot—for more money?
Remember, research proves, "They're worth more if they're black!"

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**Baldwin Angus Ranch**  
**FEATURES**  
Emulous Pride 135  
100%  
Golden Certified Meat Sire  
Ranch 5 Miles North of Ocala off I-75.  
904/829-4574. Leroy Baldwin, owner.  

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Breeders of superior angus.  
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**REGISTERED ANGUS BULLS**  
Service Age and Ready to Work  
Suitable for Commercial or Purebred Herds  
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Ph: 904/877-1158  
TALLAHASSEE, FLA. 32302  
P.O. Box 191  

**ANGUS business shows strength**  
Registrations of purebred Angus cattle were up nearly 20 percent the first six months of the 1979 fiscal year reports C. K. Allen, executive vice-president of the American Angus Association. The increase, according to Allen, reflects a strong beef market and record demand for Angus breeding stock.  

Registrations for the period (October through March) were 163,299 head compared with 136,637 head for the same period in 1978. Transfers, which reflect sales, were at 84,249 head, up nearly five percent from a year earlier.  

The number of new Angus herds being started, as reflected by new members joining the Association, was also up by more than five percent. Total new Angus Association members for the period was 1254.
N. B. Hunt Ranches
Largest Ever Production HEIFER SALE

Saturday, June 16, 1979 – 10 a.m.
Fort Worth Stockyard, Fort Worth, Texas

Offering 6000 choice heifers weighing between 650-750 pounds and ready for breeding. Sorted from 35,000 heifers. All are calfhood vaccinated; all open with the exception of 1000 head which have been pasture exposed to Brahman bulls.

TYPES IN THE OFFERING

Brangus
Braford (tiger striped)
Black Baldface

Charolais/Angus crosses
Charolais/Hereford crosses
Charbray

ALL LOT SIZES WILL BE OFFERED

Available for inspection by appointment. Contact:

N. B. Hunt Ranches
Office at Richardson, Texas • Ph: 214/234-8191
The Welcome Mat is Always Out

If you are looking for top polled Charolais females or top performing polled Charolais bulls. CALL or COME BY.

Harlan & Dortheann Rogers
ROGERS BAR HR
Collins, Mississippi
Phone: 601/765-8848, 765-8881

Florida-Georgia Charolais sale averages $1257

The Florida-Georgia Charolais Association Invitational Sale struck an average of $1273.50 on 54 lots, on May 12, at Tifton, Georgia. The sale grossed $68,770.

Five bulls sold to bring $7145 and average $1429 per head, while 49 females grossed $61,625 for an average of $1257.65 per head.

The top selling animal was a female with calf at side that was owned by Henry Douglas of K-Bar Ranch, Zephyrhills. The pair was purchased by Malcom Commer, Fairfield Plantation, Jonestown, Mississippi, for $3400.

The high selling bull was consigned by Barton Charolais Ranch, Tallahassee, and sold to Gloryland Charolais, Jeffersonville, Georgia, for $3000.

Volume buyer was Commer who purchased 12 head for $16,900. The second high buyer was Sans Souci Farms, Ocala, with purchases of six lots for $7750.

The sale was managed by the Florida-Georgia Charolais Associations and the auctioneer was Roy Herford, Faunsdale, Alabama.

Hernando elects Rivenbark for '79-80

Bennie Rivenbark, Brooksville, was named president of the Hernando County Cattlemen's Association during the group's annual meeting held on April 21.

Others elected, all from the Brooksville area, were Arlie Neal, vice president; John F. Mason, treasurer, and Al Dawson, secretary.

Directors are J. O. Batten; Lanny Fulmer and Bob Potter. State director is Derrill S. McAteer.

Continuing in unexpired terms as directors are S. J. D'Andrea; Anthony Roller and J. B. McMullen.

Honorary state director is John L. Ayers and Melvin Kelly is honorary county director.

Feed association sets meeting dates

The Florida Feed Association will hold its annual convention on July 12-13, 1979, at the Sand Piper Resort, Port St. Lucie.

Gene Spencer, Tampa, president of the association, said the featured speaker at the event will be a special representative of the USDA. Appearance is scheduled for July 13.

In addition, Spencer said that Deputy Secretary of Agriculture Jim Williams is expected to attend the event.
WHEN POUNDS ARE MORE IMPORTANT THAN PENNIES

PHENOTHIAZINE

Research indicates that fly and worm control contribute to heavier, healthier animals. Horn and face flies and internal parasites often cause reduced feed efficiency, slower gains, and reduced production in cattle which appear to be perfectly healthy. Thus, it is up to you to protect them from these pests. You can do so, efficiently and economically, by feeding them products containing phenothiazine.

Phenothiazine controls horn flies, face flies, and internal parasites and it reduces the contamination of pastures with their larvae. So when pounds are more important to you than pennies, feed products containing phenothiazine. You'll be dollars ahead in the long run.
Purina® Introduces... A New Fly And Worm Control Block!

For Less Than 3¢ Per Head Per Day!

It's Economical
It's Effective
It's Purina's NEW Check-Fly® and Wormer Block!

- CONVENIENT AND ECONOMICAL
  New Purina Check-Fly and Wormer Blocks provide you with an easy, inexpensive way to control the development of Horn Flies, Face Flies, and Worms at only 2 ounces per day consumption.

- CONTAINS PHENOTHIAZINE
  New Purina Check-Fly and Wormer Blocks contain high quantities of Phenothiazine. These blocks are extremely effective in helping your animals combat BOTH Fly and Worm parasite infections.

- GOOD PASTURE MANAGEMENT
  New Purina Check-Fly and Wormer Blocks help reduce the contamination of pastures with manure-breeding flies and worm larvae.

  Make new Purina Check-Fly and Wormer Blocks part of your herd health program. Feeding your animals just 2 ounces per head per day at a cost of less than 3¢ is the economical way to provide BOTH Fly and Worm control without handling the animals.

See your local participating Purina Dealer...
Mole crickets: IFAS research project

by P. G. KOEHLER, D.E. SHORT and C.S. BARFIELD
University of Florida

Mole crickets caused in excess of $100 million damage in Florida from 1976-1978. Pasture, turf, vegetable, and field crops were affected most severely. Mole cricket damage to these commodities occurs throughout the southeastern U.S. Approximately eight million acres of pasture is grown in Florida, providing forage for the livestock industry. Bahia grass is a principal pasture grass, and is a preferred host for mole crickets. Statewide, 30 percent of Bahia grass has been damaged severely and four percent completely destroyed by mole crickets. In some locations, 100 percent of Bahia grass pastures have been destroyed.

Every year the mole cricket problem appears to get worse and complaints of poor control with recommended chemicals continue to be heard. IFAS entomologists have been aware of the problem and have initiated a research project toward solution of the problem.

History of the project

Research on mole cricket control in Florida extends back to 1943 when information about the life cycle of mole crickets was published by the Florida Department of Agriculture. IFAS researchers have worked on mole crickets to determine effective chemical control measures, periodically publishing papers in the 1950's and 1960's. In these studies, chlorinated hydrocarbons were found to provide the most successful mole cricket control. Unfortunately, around 1970, most chlorinated hydrocarbons were prohibited for use on pastures. Concurrently with the ban of these chemicals continue to be heard. IFAS entomologists have been aware of the problem and have initiated a research project toward solution of the problem.

1978-79 Research

In the initial year of finding, emphasis has been placed on identification of long and short-range goals, establishment of initial experimental designs, and recruitment of an overall project coordinator. A project coordinator (Dr. Carl Barfield) with a major time commitment to this project was hired in November, 1978. His responsibilities included disbursement of funds to cooperating researchers, taking the lead role in identify and coordinating research activities, and drafting a state research project on mole crickets. Despite these initial administrative activities, headway was made in research areas.

1) Chemical control (Received 33.10 percent of funding). A variety of baits and attractants were evaluated as carriers of mole cricket insecticides. Some chemicals currently cleared for use in pastures were screened for effectiveness against mole crickets.

2) Basic ecology (Received 30.14 percent of funding). To understand the biology and ecology of any organism, one must be able to sample that organism in all its life stages. Sampling mole crickets is a major problem because of their subterranean existence. Studies were initiated toward designing trapping funnels and utilizing electronic sound devices emulating cricket calls ("artificial crickets") to attract adult mole crickets. The ability of organisms to find mates and disperse to suitable

(Continued on page 99)
Livestock Marketing Congress '79 is slated to be held at the Marriott Hotel in Denver, Colorado, June 13-15. The event is being conducted by Livestock Merchandising Institute, one of LMA’s allied organizations.

The theme is “Riding The Cycle: Are There Workable Alternatives for the Industry and Consumer?” Congress General Chairman Robert Walker noted, “I can guarantee my fellow Trade Group subscribers a Congress they’ll never forget.”

**Brahman breeders have strong showing at Putnam Fair**

Winners in the open Brahman show held at the Putnam County Fair, Palatka, listed by class to the first three places, with the number of entries in each class in parentheses, follow:

- **Females,** calved 3/1/78 thru 4/30/78 (6) — LMT Sury Locrata 262/8 (reserve grand champion, junior champion), Santa Barbara Ranch, Clewiston, and L. M. Tucker, Palatka; Miss JCC Mansoparte 241, James C. Chapman, St. Cloud.
- **Females,** calved 1/1/79 thru 2/28/78 (5) — OLP Miss ME Resoto, Mrs. O. L. Partin, Kissimmee; Miss JCC Mansoparte 232, Chapman; TA Lady Tuck Empress 902, L. M. Tucker.
- **Females,** calved 11/1/77 thru 12/31/77 (2) — Miss Repacho 59, D. T. Davis, Zolfo Springs; HCB Lady Resoto Liz I, HCB Ranch, Orlando.
- **Females,** calved 3/1/77 thru 3/31/77 (3) — Miss Loxey Kabar 170 (reserve junior champion), Kabar Ranch, Jacksovville; Miss Loxey Kabar 194, Kabar; LMT Jan T Sugarta 216/7, L. M. Tucker.
- **Bulls,** calved 3/1/77 thru 3/31/77 (5) — Miss Loxey Kabar 121, Kabar; Miss Loxey Kabar 193, Kabar; Miss JCC Emperor 202, Chapman.
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YOUR CONTRIBUTIONS ARE DEEPLY APPRECIATED

The list of names on the plaque at FCA headquarters showing contributors to the Magazine Fund is continuing to grow. To get your name on the list, a contribution of at least $10 is needed.

The FCA board of directors approved the continuation of the fund drive through June. With 60 percent of the members having contributed to date, the program is expected to be continued on into the new FCA year in order to give 100 percent of the membership the opportunity of participating in this program. Why don't you join with us and help make it 100 percent?

Mail check to:

THE FLORIDA CATTLEMEN MAGAZINE FUND
P. O. Box 1929, Kissimmee Florida 32741
Taxes

(Continued from page 72)

imated by dividing the annual net income expected from the land by the rate of return that the owner expects to receive on capital invested in land. This expected rate of return is commonly called the capitalization rate. Put another way, the capitalization rate is the current rate of return necessary to entice capital to that type of investment, in this case pastureland. The formula for computing the classified use value is:

\[
\text{Value} = \frac{\text{Annual Net Income}}{\text{Capitalization Rate}}
\]

To help arrive at a classified use value, enterprise budgets can be developed and/or studied for the typical crop grown on the property. A budget is an itemized list of expected costs, incomes, and resources necessary to produce a crop. An example of a 1979 budget for a 100 cow herd on 200 acres of permanent pasture under top management is shown in Table 1. The estimated $18,960.70 return to land, labor, capital, and management was derived by subtracting the $14,874 expected expenses from $33,834.70 of anticipated total revenue. Top management is defined as management decisions based on up-to-date production and price information with good cows and land, and optimum timing of production practices. Annual return to land, labor, capital, and management can vary widely.

For example, in 1977, estimated return to land, labor, capital and management was $8646 (Table 2). In 1978, a $8929 return was estimated (Table 3). Why the large variations? In these instances, the main cause was depressed beef prices at the end of the cycle and much higher prices in the early stages of the up price cycle.

Since agricultural yields, prices of products, and costs can vary widely from year to year, five-year moving averages of yields, prices, and costs derived from past budgets and record summaries show a more accurate net income picture than costs and returns from a single year. A moving average simply "moves" over time in that each "new" year's figures take the place of the now sixth year's figures when a five-year average moving average total cost from gross revenue, a net income can be derived for the income approach formula. This net income then serves as a yardstick in projecting estimated income from the property in the future. Longer term averages (over five years) for yields, prices, and costs can help provide even more definitive net income pictures for land.

In Florida, there is no set capitalization rate or mandated method to determine one. The rates are developed by various methods, including the "summation method." In brief, a capitalization rate normally contains the following "summed components": a safe rate, an illiquidity rate, a risk rate, a management rate, and an ad valorem millage rate.

The selection of the safe rate is an attempt to find the maximum yield, risk free, and most liquid alternative investment for the operator. It is usually developed from interest paid on medium denomination, short-term investments. These types of investments, like 13 week U.S. Treasury Bills, are often used because of their comparative safety and liquid nature.

Illiquidity is a factor that takes into consideration that real estate transactions, especially the large ones, often require months or years, and they are costly to "close." That is, farmland usually cannot be converted (sold) as quickly as, for example, bank deposits or stocks. Hence, the illiquidity rate in a capitalization rate is compensation for the length of time needed to sell farmland on the open market.

There are financial risks on owning farmland in Florida. The most important risks are the uncertainty of annual income and the hazard of investment loss. Natural disasters, price cycles, and unstable markets can cause operating losses, investment capital loss and even business failure. The 1947 south Florida flood, the 1977 drought, and the recently ended down price cycle and their negative effects on pastures, livestock inventories, and business operations are recent examples. The new cow-calf operators would like to forget but are not likely to. These risks and others are taken into consideration when a risk rate is developed for capitalization.

Money management is necessary in any beef cattle operation. A management rate in a capitalization rate compensation for managing the monetary investment. With the increasing number of governmental regulations that may prove out costly when adhered to and fluctuating profit margins, money management is becoming more important in maintaining viable operations. It should not be confused with the cost to run or manage the property itself.

An ad valorem millage rate is also included in a capitalization rate. Established by the county, this rate represents the annual tax dollars paid by property owners per $1000 of classified use valuation per acre. For example, if the county tax millage rate was 14 percent, a $2000 property would pay $280 in taxes. If the ad valorem tax levy were $2.80/acre (.014 x $200). For inclusion in the capitalization rate, the millage rate is converted into a percentage.

A percentage is given the safe, illiquidity, risk, and management components of the capitalization rate by the county property appraiser's office. Together with the ad valorem millage percentage they are summed to derive a capitalization rate. For example, an 8.5 capitalization rate for permanent pasture "summed" by the authors and presented simply for illustrative purposes includes: a 5 percent safe rate, a .5 percent illiquidity rate, a .5 percent risk.

(Continued on page 101)
Brahman sale averages $1419 on 22 head

Tucker gets two year term as EBA president

An average of $1419.31 was struck on 22 head of registered Brahman heifers at the Eastern Brahman Association Quality Brahman Sale, held May 11, at Tampa. Sale gross was $31,225.

At the annual meeting of EBA following the sale, Andy Tucker, Cocoa, was named to a two year term as president of the organization. He succeeds Byron Johnson of Ocala.

Top selling animal in the sale was RSR Reloto's Queen, consigned by Marcus Shackelford, Wauchula. The January, 1977, heifer sold bred to IB Bevo 74, and was purchased by Bentley Brahman Ranch, Crewsville, for $2300.

Second high seller was LMT Tuck 210/7, consigned by L. M. Tucker, Tifton, Georgia. Selling safe in calf to Mr. Sugarata 1631, Hales Farms, Okeechobee, purchased the heifer for $2050.

Top volume buyer at the event was Ronald Lott, Seffner, who spent $6650 for five heifers.

G. T. Stack, Tampa, was sale chairman for the event, and Greg Carlton, Clewiston, was in charge of screening and facilities. Bob Cooper, Sarasota, was auctioneer.

In other action at the annual EBA meeting, Wayner Collier, Wauchula, was elected vice president, and Mike Partin, Kissimmee, was renamed treasurer. Don Berry, Kissimmee, was renamed secretary.

The membership also passed an amendment to its bylaws so that all past presidents of the association will become permanent voting members of the board of directors.

Mr. and Mrs. Herman Beville, pioneer Brahman breeders of Bushnell, were honored at the EBA banquet held following the annual meeting. Newly elected president Andy Tucker cited the Beville's for recently celebrating their 55th wedding anniversary.

The sale was held in conjunction with the Florida International Agricultural Trade Show at the Florida State Fair and Expo Park. The meeting and banquet was held at the Ramada Inn, East, Tampa.

Directors named at the meeting were: Joe Barthle, San Antonio; Greg Carlton; Jimmy Chapman, Kissimmee; Rhett Enzor, Milligan; J. Lewis Patterson, Concord, North Carolina; Marcus Shackelford; G. T. Stack, Jr., Tampa; W. W. Tilton, Jr., East Palatka; L. M. Tucker, Tifton, Georgia; David Willis, Cocoa; Ray Simms, Lithuania; Carl Story, Lake City; Don Davis, Zolfo Springs, Charles Reid, Clewiston; A. E. Whaley, Kissimmee.

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THE FLORIDA CATTLEMAN / JUNE 1979 / 95
Rodeos held at Chiefland and Lakeland

PCRA approved rodeos were held recently in two cities. The Chiefland Rodeo was held March 24-25, followed by the Lakeland Rodeo on April 21-22.

Results of the four rodeos, as compiled by Sparky Dent of Vero Beach, is listed to the first four places with times or marks shown in parentheses and monies won listed, follow:

Chiefland

Bareback—Jimbo Watford, Okeechobee (67) $380.24; J. B. McLamb, Benson, North Carolina (66) $327.65; Bob Logue, Cumby, Texas (64) $237.65; Glen Webb, Prairieville, Louisiana (62) $203.00.

Saddle broncs—Charlie Atwell, Huntsville, North Carolina (65) $929.08; Dick Wochton, Springfield, Arkansas (63) $144.96; Scott Fletcher, Winnibsho, Louisiana (61) $96.04; Ray Phillips, Kissimmee (60) $24.01; Gary Williams, Okeechobee (60) $24.01.

Bull riding—Ratley Carter, Crockett, Texas (71) $309.68; Gary George, Bonifay (70) $222.26; Donald Chapman, LaPorte, Texas (66) $154.96; Harry Brown, Opelika, Alabama (64) $387.71; Mike Cox, Cypress, Texas (64) $36.71; Call roping—Morgan Grainger, Howthorne (10.5) $57.24; Charlie Lowry, Summerville, Georgia (11.3) $432.16; Randy Bartelle, Dale City (11.4) $226.96; Steve Chapman, Lafayette, Georgia (11.4) $226.09; Steer wrestling—Charlie Lowry (3.8) $552.72; Steve Hart, Avon Park (3.9) $414.54; Dan McClellan, Fort Meade (4.0) $276.39; Robert Sanders, Dale City (5.4) $138.18.

Barrel race—Layna Brown, Leesburg (15.5) $230.06; Anita Beard, Morrison (15.5) $171.01; Paula Fortner, Plant City (15.6) $171.01; Gina Brown, Leesburg (15.6) $115.30.

Lakeland

Bareback—Ellis Ballard, Sarasota (66) $196.00; George Mesmer, Mocksville, North Carolina (64) $147.00; Johnny Neal, St. Cloud (60) $49.00; Jim Watford, Okeechobee (60) $49.00; Harry Willing, Brinson, Georgia (69) $49.00; Saddle broncs—Ray Phillips, Kissimmee (63) $62.71; Jim Lashing, Okeechobee (52) $41.81.

Bull riding—Ronnie DeWara, Dallas, Texas (73) $258.72; Steve Elliott, Brinson, Georgia (72) $194.04; Bruce Zundel, Brinson, Georgia (71) $150.35; Richard Novels, West Point, Mississippi (63) $64.68; Call roping—Dan McClellan, Fort Meade (10.1) $392.92; Ed Farmer, Carterville, Georgia (11.1) $296.94; Randy Brunton, Bartow (11.4) $197.67; Harry Kinchen, Plant City (12.2) $98.99.

Saddle broncs—Randy DeWara, Dallas, Texas (73) $258.72; Ed Farber, Carterville, Georgia (11.1) $296.94; Randy Brunton, Bartow (11.4) $197.67; Harry Kinchen, Plant City (12.2) $98.99.

A total of 11,216 registrations have been recorded in 1979. In 1978, 10,531 were completed. This marks the fifth straight year registrations have increased.

Transfer and pedigree figures have also continued to improve; officials point out. Transfer totals are up more than 100 per month. In 1978, 5161 transfers had been processed by the end of March. This year, transfers totaled 6513 during this same period, averaging 2171 monthly.

Pedigrees have increased from 1415 in 1978 to 1704, averaging 56 per month for 1979.

ABBA officials say these figures forecast a most promising year for all Brahman breeders.

Field day set

The Eastern Brahman Association summer field day will be held on Saturday, June 23, at the Osceola County Agricultural Pavilion, on U.S. Highway's 441 and 192, between Kissimmee and St. Cloud.

Sponsors of the event will be Crescent O Ranch, owned by A.E. and Larry Whaley, and Heart Bar Ranch, owned by the Partin family of Kissimmee.

The program will get underway about 9:30 at the pavilion. Special talks and demonstrations are scheduled for the morning program.

Following lunch at the pavilion, a motorcade tour of area Brahman ranches will be conducted under the direction of A.E. Whaley.

Brahman activities show increases

Brahman activities showed significant increases in all areas during the first quarter of 1979, according to the American Brahman Breeders Association, Houston, Texas.

Eight major Brahman sales held during the period saw 299 animals gross $502,250 to average $1680.

Over 600 more registrations have been recorded for the first quarter of 1979 than for the same period in 1978. A total of 11,216 registrations have been recorded in 1979. In 1978, 10,531 were completed. This marks the fifth straight year registrations have increased.

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National Beefalo show, sale set

The American Beefalo Association (ABA) has announced plans for the Kentucky National Beefalo Show and Sale. The event is scheduled for November 12-13, at the Kentucky Fair and Exposition Center, Louisville, Kentucky.

ABA officials also reported that Jack Benedict, Newnan, Georgia, has been named coordinator for a Beefalo Field Day to be held in Georgia this summer. Officials said the date and place of the field day will be announced at a later time.
Lowry keeps lead in cowboy standings

Charles Lowry of Summerville, Georgia, has kept his lead in the all-around cowboy standings in Florida with earnings of $3,430.98.

George Mesimer, Mocksville, North Carolina, is the bareback leader with $1,862.32 while Rick Whorton, Springdale, Arkansas, tops the saddle bronc competition with earnings of $1,837.94.

Bull riding leader is Roy Carter, Crockett, Texas, and Morgan Grainger, Hawthorne, has the lead in calf roping with $2,168.72. Leading the steer wrestlers is Lowry with $1,509.20.

Barrel race leader is Paula Fortner, Plant City, with $2024.48 pocketed.

Winners in the various events listed to five places, with earnings listed, follow:

All-around—Charles Lowry, Summerville, Georgia $2,830.98; Lyle Sankey, Augusta, Kansas $1,634.29; Paul Tierney, Rapid City, South Dakota $1,583.88; John Andrews, Onarga, Illinois $1,509.93; Brian Claypool, Saskatchewan $1,035.93.

Barebacks—George Mesimer, Mocksville, North Carolina $1,862.32; Bob Logan, Comby, Texas $1,809.35; Mickey Young, Perron, Utah $1,332.60; J. C. Trujillo, Sutambo Springs, Colorado $1,023.40; Steve Dunham, Calgary, Alberta, Canada $967.45.

Saddle broncs—Rick Whorton, Springdale, Arkansas $1,837.94; Dave Fisher, Elkhart, Kansas $1,339.09; Charles Atwell, Hunterville, North Carolina $1,289.26; Mel Coleman, Pierceland, Saskatchewan $1,097.92; Don Simonson, Malta, Montana $1,027.60.

Bull riding—Roy Carter, Crockett, Texas $2,270.19; Monte Taylor, Allison, Texas $2,001.59; Frank Blackshear, Castorock, Colorado $1,923.18; Ricky Bolin, Mesquite, Texas $1,053.67; Jerome Robinson, Fort Collins, Colorado $923.79.

Calf roping—Morgan Grainger, Hawthorne $2,168.72; Don Smith, Kiuwa, Oklahoma $2,016.84; Charles Lowry, Summerville, Georgia $1,921.78; Del Murphy, Avon Park $1,106.91; Tom Epperson, Cherokee, Texas $984.90.

Steer wrestling—Charles Lowry, Summerville, Georgia $1,509.20; Howard Kingmann, Ronfay $1,163.76; Harold Stayton, Austin, Texas $1,147.78; Paul Tierney, Rapid City, South Dakota $1,127.20; John Andrews, Onarga, Illinois $1,028.29.

Barrel racing—Paula Fortner, Plant City $2,024.48; Layna Bowers, Leesburg $1,813.00; Anita Beard, Morrison $505.75; Margaret Ames, Zoillo Springs $552.34; Debbie Brannon, Bartow $507.94.

Welles’ cutter in top 10

Lonsun Tiger, owned by R. D. Welles of Arcadia and ridden by Curly Tully is listed in eighth place in the NCHA’s listing of championship cutting horses. Participating in 14 events, Lonsun Tiger has won $5199.24 through April 12.

In the non-pro category Bill Talley, Jr., Leesburg, has entered six shows with Chickasha King with winnings of $1,777.18. Bubba Welles of Arcadia has competed in four shows with Brigand’s Breeze and winning $1,323.09, while Spencer Harden, Sanford, has three shows and $1,232.78 on Doc’s Wimpy.

In the top 15 $500 novice, Eagle Raider, owned by W. V. Hoecherl, Fort Lauderdale, and ridden by Speedy Richards, has been in nine shows with winnings of $895.67 and is in first place. Commander Ray, owned by Ron Marlowe, West Palm Beach, and ridden by Salty Langford, has been in three shows with $342 won and is in ninth place.
Raising livestock and supporting 4H’ers and FFA’ers keep

The Vanns

by ETHEL HALESTANCL

I met Evalena (Mrs. Charles) Vann at the Orlando Fair back in March. She was sitting atop a bale of hay in the dairy cattle barn. She was there supporting her son Toby and other 4-H’ers and FFA’ers from her area as they exhibited and sold outstanding animals.

The Vann’s farm—Back Acres—is located about seven miles southeast of Sarasota. Farm pastures are improved, Bahia grass being predominant. The farm raises Angus and dairy (Jersey and Guernsey) cattle and White Yorkshire hogs.

Toby is only 14 but he has been in 4-H for six years. He went to Florida Congress in Gainesville last year and came in third in the state in food and nutrition. Canning and freezing foods is known to him as well as sewing, crafts, horticulture and a host of other projects. Indeed, it is hard to find a project in which he has not participated locally, at the district or state and one of these days he’s sure to be heading for the National 4-H Congress in Chicago, Illinois.

Evalena and Charles feel that his 4-H work has been a great help in his school work, in which he also excels. The couple helps the youth in the local 4-H Milky Way Club—Maurice Hiett and Doris Smith are club leaders.

Charles’ family has been native to Florida for several generations, and he is actively associated with the livestock industry. He is on the board of directors of the Sarasota Livestock Association and is also active in the state cattlemen’s association. His father, C. B. Vann, 84, lives next door to them and assists in the large garden which the family raises.

Evalena teaches kindergarten at Venice Elementary School. Her grandmother, Mrs. Harvey (Donna Redd) Tatum, was a native to Sarasota, born there in 1915. Her mother, Velma Flye Tatum, taught school for 29 years in the same area before retiring.

Hobbies of Evalena are cooking, sewing, raising plants and collecting antiques. She shares many of her plants which she says are easy to kill with too much kindness—overfeeding or overwatering. Two favorites are fades and begonias.

Pets are a Golden Retriever, Brandv, and a Dachshund, Herman.

When the son isn’t busy with 4-H activities he may be playing with the school band. Next year he will be one of the four bagpipers with the Riverview High School Band. He plays the saxophone and bagpipes. The bagpipers wear plaid kilts, of course, white spats and colorful jackets. They are well known for their performances and have been invited to the Rose Bowl game.

Daughters are Ivy and Holly. Holly, 16, is a junior at Riverview High School, Sarasota, while Ivy is a junior at Howard College and is working toward a degree in English. She was also an outstanding 4-H’er whose projects leaned to dairy animals. She raised one heifer which became the family milkcow.

The family is active in the Bee Ridge Presbyterian Church.

Calf prices continue high

Market operators around the state continue to report high prices for calves being sold.

Clyde Crutchfield of Tindel Livestock Auction Market, Graceville, reported that at a recent weekly auction, a 295 pound calf brought $1.75 a pound to bring $516.25. George Townsend, owner of Madison Stock Yard, Inc., at Madison, announced at the regular auction on April 24 that the $2 per pound figure had been broken that day.

At Okeechobee Livestock Market, Okeechobee, Pete Clemens reports that the week of April 9 their sale topper was at $2.05 and the week of April 16 saw the market being topped at $2.25. Clemens also said that heavy bulls and steers were bringing up to 78 cents for slaughter.

Heifers and heifer calves on feed in the U.S. on April 1 totaled 3.70 million, down 14 percent from 1978, says USDA.
Florida team gets fifth in beef judging contest

The University of Florida Livestock Judging Team placed fifth in the beef judging division of the Southeastern Conference Spring Livestock Judging Contest, held recently at Carbondale, Illinois.

The team also placed sixth in sheep judging and ninth overall. Larry Barthle, Dade City, was second high individual in the beef judging division. In the overall evaluation portion of the contest, the Florida team placed fourth overall, including fourth in beef evaluation and second in sheep evaluation.

Doug Frazer, Lake City, took first place high individual honors in the beef evaluation contest, and Charlie Holton, Land O’Lakes, was seventh place overall high individual.

Team coach for the University of Florida team is Professor D. L. Wakeham. Other team members are: Wayne Simmons, Plant City; Derek Hall, Bushnell; Laura Frye,Bradenton; Roxie Townsend, Immokalee; Henry Knight, Jamaica; Sid Mogg, Jamaica; Shawn Carson, Lake City.

Mole crickets

(Continued from page 91)

habitats plays a major role in the success of the species. Mating behavior and dispersal studies have been initiated and studying these biological processes may provide clues as to how to disrupt the life cycle of mole crickets.

3) Biological control (Received 11.97 percent of funding). Initial efforts have begun to gather information on the success of a parasitic wasp, Larra bicolor, against mole crickets in Puerto Rico. One major problem in importing this wasp is that a plant which is an essential part of the parasite’s life system does not occur in Florida. Initial steps have been taken to attempt to import this plant for experimental purposes.

4) Physiology (Received 9.3 percent of funding). Conflicting literature reports that the mole cricket damages plants in one of two fashions, direct feeding or physical damage. The simple fact is that no one knows whether mole crickets are phytophagous, predaceous, or omnivorous. Often, internal morphology yields clues to the ecological niche occupied. Thus, initial studies were undertaken to examine gut structure and function. Nutritional requirements for artificial rearing of mole crickets have begun to be evaluated.

5) Host Plant Resistance (received 14.08 percent of funding). Studies to identify turf grasses with resistance to mole crickets have begun. Close cooperation with plant breeders is being

(Continued on page 101)
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Dairy scientist gives review of DHI record program

by DAN W. WEBB
University of Florida

Dairy Herd Improvement is a program of information for management decisions on dairy farms. Information is input into the computer each month. Printouts are mailed to each farm which provide information for evaluating herd performance, culling cows, breeding, drying and management.

What type of information is provided?

The "core" program consists of four parts.

1) Monthly Report (DHI-200)—This printout contains one line of information on each cow. It gives identity, pounds of milk per day for current and previous month, date fresh (or dry), lactation to date, projected 305-day ME lactation, breeding date, service sire, due date and other.

2) Herd Summary (DHI-202)—This sheet provides average performance for the herd. Production averages are given for the current month and year. Other management information includes reproductive performance analysis, comparison of two year olds and older cows, inventory changes and a month-by-month production summary for the last year.

3) Cow Page (DHI-203)—This form is updated each time a cow completes a lactation and provides lifetime information on production and breeding. Information given for each lactation includes: calving date, age, days dry, 305-day production, production for complete lactation, mature equivalent production, herdmate average and deviation from herdmates. Lifetime total production, USDA cow index and estimated relative producing ability (ERPA) are given.

4) Estimated Relative Producing Ability (ERPA)—This listing provides a ranking of all cows in the herd compared to herdmates using all lifetime information. The ERPA list is printed twice per year.

Is other information available?

Yes. There are a number of optional features which can be provided. The most popular is the reproductive management special list. This option provides listings of four cow groups—

a) cows open,
b) cows to preg. check,
c) cows to dry and
d) cows to calve.

Many other "optional services" are available.
Taxes

(Continued from page 94)

rate, a one percent management rate, and a 1.5 percent millage rate. The expected rate of return is then divided into the projected net income from the land to determine a classified use value for the farmland.

Summary

Ad valorem property taxes have been with us for a long time and appraisal of farmland has changed in an urbanizing Florida. The property appraiser’s job is made increasingly difficult due to the variability of farmland, interest in land as an investment that appreciates in value, and changing production and marketing practices.

Production costs, yields, and prices from budgets and record summaries from the different enterprises can help provide more accurate classified use value appraisals for pastureland. These figures are invaluable when the income approach is used to estimate a classified use value.

Mole crickets

(Continued from page 99)
maintained to aid in incorporation of resistance characteristics in new turfgrasses. Pasture grass strains available from a major source in Tifton, Georgia, will be screened for resistance.

The main interdisciplinary research team consists of Dr. C. S. Barfield (project coordinator; population ecology, .5 manyear); Dr. R. I. Sailer (biological control, .10 manyear); Dr. T. J. Walker (ecology and behavior, .10 manyear); Drs. S. L. Poe, D. E. Short, P. G. Koehler (economic entomology, chemical control, .10 manyear each); Dr. J. A. Reinert (host plant resistance, .10 manyear); Dr. J. L. Nation (physiology, 10 manyear); and Dr. E. L. Matheny (basic biology, .10 manyear).

Several researchers in locations throughout Florida have been and will continue to be involved in cooperative research on mole crickets.

In summary, the research team has identified major short and long-term project objectives. We are currently in the process of identifying specific experimentation needed to meet these objectives. Emphasis is being placed on establishing a cooperative research framework whereby individual efforts interface into an overall project.

Calf weighed in at 112 pounds

Charles R. Jenkins, Lakeland, of Jenkins Angus Ranch, reports that a heifer calf born on the ranch recently measured 46 inches and weighed 112 pounds. The measurement from the withers was 29 inches.

Jenkins is vice president of the Florida Angus Association.
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infection. This natural defense is
known as immunity. Immediately after
an infection, the level of circulating antibody declines; however, as time passes, the level of antibody decreases until it may be below that level needed to neutralize an infection. Fortunately, the body defenses have almost instantaneous recall and if a subsequent infection does occur, the body defenses are stimulated and in very short span of time the animal's antibody level against that specific infectious agent will again rise to protective level.

Antibody development is a very selective process and for each type of agent that infects the animal, its body will produce specific antibodies against that specific infection. Thus, for example, if an animal has been exposed to 10 infectious diseases, its body will develop specific antibodies against those 10 diseases. Artificial methods of developing an animal's natural body defenses have been developed. This is done by exposing the animal's body to specific controlled infections. This process is known as vaccination and the agents used to produce the antibodies are known as vaccines.

Vaccines are suspensions of microorganisms, either living or killed, which, when introduced into an animal's body, stimulate the animal's body defenses to produce antibodies against the specific microorganism. The microorganisms in a living vaccine have been weakened or modified so that when introduced into the animal's body...
they cause a mild or modified infection without producing the actual disease. The immunity produced by these living vaccines is equal to and, in some cases, greater than that produced by a natural infection. Brucella Strain 19 is such a vaccine. Killed vaccines, in general, produce a lower level of immunity. Since the organisms cannot reproduce, the amount of antigen available for the body to neutralize is limited. In some instances, two separate injections of a killed vaccine are needed in order to produce an adequate antibody level. The first injection, which produces a very low level of antibody, sensitizes the body to the vaccine (antigen). The second injection, usually given a week or two later, stimulates the sensitized animal's body to produce protective levels of the antibody.

Dosage varies with the type of vaccine used. For example, the dose for a killed vaccine is generally larger than an attenuated or modified vaccine. In the development and use of attenuated vaccines we have learned that, in many instances, a smaller dose can be just as effective as a larger dose. Such is the case with Brucella Strain 19 vaccine where research now indicates that smaller doses may be just as effective as the present standard 5-ml. dose.

Immunity is a very complex problem and many questions regarding immunity and vaccination still remain unanswered. Researchers are constantly increasing our knowledge on antibody formation and the mechanism of immunity. Hopefully, some day research will be able to develop artificial vaccines which will, with a single injection, provide an animal with life-long immunity.

Marketing act passed in Montana

Officials of Livestock Marketing Association, Kansas City, Missouri, have praised the marketing act recently passed by Montana as a "breakthrough in establishing a sound basis of financial stability in marketing, and in equipping state authorities with the tools to deal with the swindlers who prey on producers and marketing businessmen alike." The comment came from LMA General Manager C. T. 'Tad' Sanders.

Montana State Representative Robert A. Ellerk, the bill's sponsor in the House, and also an LMA associate manager, noted that the purpose of the Montana bill "is to simplify, clarify and modernize the law governing livestock marketing, as well as to promote open, free and competitive factors in marketing."

A major provision requires every livestock market, dealer and broker to maintain his total assets in excess of his total liabilities. The law also provides for livestock payment upon completion of the sales transaction by cash, check, draft, electronic funds transfer or other "bankable instrument."
**Editorials**

**FCA had another sound year**

“Get involved—don’t let everyone else do it for you.” These were the words of FCA President Henry Douglas when he took over the leadership of the organization a year ago.

There has been strong support from all and much involvement by the membership in matters affecting the cattle industry in that period.

The past year has had both good and bad sides, of course. Initially, the new FCA administration was confronted with President Carter’s decision to increase meat imports by 200 million pounds. FCA took a strong stand in opposition to this action and assurance was later given that consultation with the cattle industry would be primary before any further action on imports would be taken. FCA’s input was very relative in this instance.

Efforts on the part of several members brought an increase in membership in the National Cattlemen’s Association with FCA winning the membership drive in Region II which was headed by NCA Vice President Pat Wilson. A total of 275 new members were added from Florida for an increase of 65 percent. It should be pointed out here there are many advantages to being a member of NCA, as well as holding membership in FCA.

In the past year FCA has gone on record as supporting the budgets of IFAS and the Veterinary College; opposing any reorganization of USDA, and opposing the retention of the carryover basis provision of the Tax Reform Act of 1976. These are areas where your FCA leadership has been active at various levels of government. This participation takes time and money.

Which brings up the issue of a dues increase for FCA membership. The proposal which will be voted on at the June convention will result in only a $6 per member increase per year. When it is figured that it costs something over $10 annually to service each member of FCA, it is a small increase, indeed. In terms of inflation, it is very minute.

Another area where FCA has taken a positive stand this past year concerns the brucellosis program. Efforts are now being made at the legislative level for funding to carry out the program in Florida for whole herd vaccination in those heavily infected parts of the state. Changes in the national brucellosis program to fit Florida’s needs were effected through direct contact with federal and state authorities in meetings both in the state and in Washington, D.C.

In retrospect, this has been another sound year for your Association, which incidentally, is in the forty-fifth of its existence. And President Douglas was correct in stressing the importance of being “involved.” It’s what keeps an organization strong.

After all, it is your Association and your voice is important on every issue that confronts the industry. Your active participation is appreciated, currently and in the years to come.

**The national beef research program**

The 1976 Beef Research and Information Act authorizes a national program where cattle producers may assess themselves to finance activities to improve and develop markets for cattle, beef and beef products. The law compares with legislation authorizing check-off programs for commodities such as cotton, eggs and potatoes.

Public hearings are now being held across the country on the Act to determine if an order permitting research and information activities should be issued. The order, if approved, would provide a self-financing program and it is estimated about $100 million per year would be generated to help the industry as outlined. Your favorable vote will help you in the long run.

**It’s convention time again**

FCA’s annual convention is set for June 27-30 at the Dutch Inn Resort Hotel, Lake Buena Vista. It’s a very interesting place with a feature being Walt Disney World Village just down the hill from the hotel, where there are many things to do and see. Make your plans to attend!
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