



San Joaquin County

LIVESTOCK AND RANGE NOTES

420 South Wilson Way, Stockton, California 95205 - Telephone 944-2665

October 1976

Pasture Seeding
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PASTURE SEEDING

October is the best time to plant irrigated pasture in this area. Longtime weather bureau records show an average of .63 inch occurs in October and 1.17 inches in November. Thus, seed planted anytime from mid-October to November 1 should receive sufficient rainfall for root development prior to heavy frost.

There are many different irrigated pasture mixes being marketed. Some of these mixes are excellent, and some less desirable. Here is a mix that has proven to be good for this area for beef cattle under most soil conditions.

Pounds per Acre

- 1 lb. Ladino clover
- 1 lb. Salina strawberry clover
- 1½-2 lbs. broadleaf trefoil
- 1½-2 lbs. narrowleaf trefoil
- 3 lbs. annual ryegrass
- 3 lbs. perennial ryegrass
- 6 lbs. Akaroa orchardgrass

Salina strawberry clover has demonstrated the ability to produce well on alkali and poorly drained soils in San Joaquin County and should be substituted for the Ladino and broadleaf trefoil under these conditions.

The trefoils are included mainly to add legumes to the mix that do not

cause bloat. Narrowleaf along with Salina clover is capable of producing good pasture under conditions of high salt and poor drainage. Broadleaf trefoil is almost completely winter dormant and does not tolerate poor drainage. Both types of trefoil are poor competitors and under ideal growing conditions for the clovers and grasses may be crowded out. Despite this limitation, they do not cause bloat and will grow in both the drier and more moist places in the pasture.

If you have had bloat problems in your area, I would suggest you plant only one pound of clover. The stand of clover can be increased by overseeding in an established pasture. It is most important to get a good stand of grass established with initial planting because results of overseeding with grass to thicken the stand on an established pasture are not usually satisfactory.

RANGE RESEEDING

The depressed cattle price surely doesn't lend itself to range improvement; however, producers must become more efficient to stay in business over the long run. Both research and on-the-ranch measurements have demonstrated that a good stand of the annual legumes can double and, in some instances, triple the carrying capacity of our

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rangeland.

Soil fertility is an important factor in obtaining high production. An application of about 400 lbs. of single superphosphate at planting time has produced excellent results of these legumes. Tests and observations indicate that phosphorus should be reapplied every 3 to 4 years to maintain high production.

The fertilizer should be applied prior to minimum seed bed preparation about a week to ten days after first good rains and germination of natives is started. By minimum seed bed preparation we mean cutting 2-3 inches deep with a disk or spring-shank cultivator without disturbing or working up the entire surface.

A mixture of varieties should be planted, both to spread out the season of growth, and to allow most adaptable varieties and species to produce under numerous soils and exposures found in our rangeland areas. For example, rose clover will produce on less fertile and drier sites in a field than will the subclovers.

Wilton or common rose clover has proved to be consistent in producing late spring feed and for improving quality of dry feed. Kondinin and Hykon varieties of rose clover will produce feed much earlier in season than Wilton or common rose clover.

Some of the earlier-starting and winter-growing varieties of subclover that are now available and are consistent feed producers for San Joaquin County include:

Geraldton, Daliak and Seaton Park are among the earliest maturing varieties of subclover and provide good early feed and lots of seed.

Yarloop is an early-maturing variety that will tolerate shallow surface water and does well on poorly-drained pothole areas.

Dinninup, Clare, Woogenellup and Howard start earlier and will continue to produce feed later in the season. These subclover varieties should be inoculated with a special strains of rhizobia.

Dixie crimson clover has produced well on most sites and will mature about 2 to 3 weeks before Wilton rose clover.

A seed mixture of rose, crimson, and subclover is recommended for best results. Rose clover will grow on the poorer areas while sub and crimson will do best in the swales and deeper soils.

The firebreaks that many of you have are a good place to try out some of these clovers. Seed a mixture of rose, 2 or 3 varieties of subclover, and a little crimson at the rate of 10-15 lbs. of seed per acre. Fertilize part of it at about 400 lbs. single superphosphate per acre. Cover the seed a little with a harrow or ring roller and let fall rains take over. Next spring when you work out the firebreak, move to one side of the present strip and let clover go to seed. I think you'll be pleased and surprised with the results! For further information give us a call.

BY-PRODUCT FEEDS --CAUTION ADVISED

The high price of hay and other supplemental feeds has brought many inquiries to this office concerning the use of straw and other crop by-products. Some straws are good feed, but caution should be taken to insure that the pesticide residues used on the crop are within the legal tolerances for feedstuffs. There are instances on record where milk and meat have been condemned because of contaminated feedstuff. Be safe, not sorry!

NEW PUBLICATIONS AVAILABLE

Leaflet 2906 - Managing Small Pastures for Livestock Production

Bulletin 1878 - Predation and the Sheep Industry in California

California Agriculture, July 1976 - Special Issue. Highlights the research program at U.C. Hopland Field Station where scientists from many disciplines have worked together to solve California's rangeland problems. This issue gives some insight into their accomplishments.

COMING EVENTS

October 6-7 - California Beef Cattle Improvement Association Beef "Chow"-ference (Further details on back)

October 16 - Cattlemen's Association fall dinner meeting is tentatively scheduled to be held in Modesto. For further details contact Leo Fitzgerald at 982-4223.

"Cattlemen's Fun Day" which was held Sunday, September 19, at Clements was a huge success. Plans are underway for more cattle, people and fun next year!

October 23 - Project Calf Sale for 4-H and FFA members of San Joaquin and Stanislaus Counties is scheduled to be held at the Stockton Livestock Market, Inc. salesyard. Sale will start at 9 a.m.

The committee needs your cooperation in again consigning calves for this good cause. Price of calves to producer will be 2¢ over the previous Monday sale. Contact Red Mason, Leo Fitzgerald or our office. You are invited to attend this sale and observe these members in action selecting their calves.

October 23 - Fifth Annual CBCIA Bull Sale at CLMA Salesyard, Madera.

These bulls were put on feedlot test in the summer of 1975, have been on range and irrigated pasture, and run in the same environment for 15 months. Results of semen test and final evaluation for soundness and grade not yet completed.

For bull sale catalog containing complete performance data on 150 bulls to be sold, contact CBCIA office, 145 Animal Science Building, University of California, Davis, CA 95616. Phone: (916) 752-1279.

November 19-20 - Eighth Annual Stockton Bull Sale - Private treaty Friday, 19th, at noon. All-breeds auction 9 a.m. Saturday.

For further details contact Leo Fitzgerald at 982-4223.

Wm N Helphinstine

Wm. N. Helphinstine
Farm Advisor

CBCIA BEEF "CHOW"-FERENCE FEEDING BY-PRODUCTS & FEED RESIDUES

OCT. 6-7, 1976 - at the SHERATON INN, FRESNO

ABOUT THE "CHOW"-FERENCE. The program will emphasize how the cow-calf operator can utilize nontraditional feeds - it will also be of interest to feedlot operators. Nationally-known nutritionists, specialists, farm advisors and industry leaders will provide the technical background while feeders and cattlemen from throughout California and the West will furnish the experience and questions.

The Sheraton Inn is located on Hwy. 99 at the Clinton Exit in Fresno

REGISTRATION. There will be a conference fee of \$21 (for nonmembers of CBCIA) and \$18 (for CBCIA members & University personnel). This fee includes dinner on Oct. 6th; lunch on the 7th; all coffee breaks; and the proceedings. Meal tickets will be included in your "CHOW"-FERENCE packets which you can pick up at the registration desk. **PLEASE REGISTER IN ADVANCE** - for your convenience on "CHOW"-FERENCE Day.

Checks payable to CBCIA - and return with form below by September 30, to the CBCIA office, 145 Animal Science Bldg., University of California, Davis, CA 95616; (916) 752-1279. Give CBCIA a phone call if you are not able to meet the Sept. 30 deadline.

MOTEL RESERVATIONS. Please make your reservations direct with the Sheraton Inn, 2550 West Clinton Ave., Fresno, CA 93705; phone toll free (800) 825-3535.

AIRPORT SERVICE. The Sheraton Inn provides courtesy car service to and from the Fresno airport. When making your room reservations, inform management of your flight number and time of arrival, and they will meet you.

If you have any questions about this "CHOW"-FERENCE, please contact your University of California livestock farm advisor, or the CBCIA office at (916) 752-1279.

REGISTER NOW! Fill out this form, clip and return with your check to the CBCIA office.

PLEASE RETURN THIS FORM AND FEE BY September 30, 1976, to the CBCIA office. (Check payable to CBCIA. Please type or print names of each registrant needed for personalized badge.) Address: 145 Animal Science Bldg., UC Davis, CA 95616

NAME(s) _____

ADDRESS _____

Street or Box number	City/State	Zip Code
Number of guests	Total cost	Registration fee includes dinner on Oct. 6; lunch Oct. 7; all coffee breaks; and proceedings.
Nonmember of CBCIA.....	\$21.00 each	
CBCIA Member & UC personnel..	\$18.00 each	
Total.....		