

OSU Farm Crops Specialist Advises Planting of Certified Alfalfa Seed

What is the best buy for an alfalfa grower today? According to Dr. Norman Goetze, Oregon State university extension farm crops specialist, it may well be certified seed.

The usual slight difference in price between certified and non-certified seed is a minor item when compared with the total cost of producing a forage crop. But it could spell the difference between money made or lost, particularly in this day of shrinking profit margins, says Goetze.

The seed certification service at Oregon State university is set up by the Cooperative Extension service to help the grower take the guesswork out of buying forage seeds, Goetze explains. To receive the coveted "Oregon certified seed" tag, seeds must meet rigid quality standards, he added.

Tested in OSU Laboratory

Forage crops earmarked for production of certified seeds are planted with seed of known genetic history, fields are checked to make certain crops are the right variety, and fields in which crops are grown must be relatively free of weeds. The seeds are then tested in the OSU laboratory.

To qualify for the certified class-

sification, alfalfa seed must be 99 percent pure, with not more than one percent of other alfalfa varieties present. It cannot contain more than one-tenth percent of other crop seeds, nor can any seeds of noxious weeds, such as dodder, Canada thistle, quackgrass or tansy ragwort be present.

Recognized for High Quality

A minimum germination rate of 85 percent is also specified by certification regulations. Certified seed produced in other states also meets this type of regulations and is recognized for its high quality and superiority over non-certified seed.

A grower would think twice before he bought chemicals in an unmarked box or fertilizers without knowing what they tested, Goetze points out. Yet, buying non-certified seed can be just as misleading.

State and federal regulations governing seed sales allow much lower quality standards than those specified by the OSU certification program. Buyers of certified seed are assured of getting high quality seed of the correct variety.

Joe Gaddis Named United Farm Agent

Joe Gaddis, Jr., has been appointed exclusive representative for United Farm Agency in Ontario and the surrounding area, according to Carl E. Lind, vice president and west coast manager for the company.

He stated that United is experiencing a remarkable increase in interest in properties of all kinds and that both sales and inquiries from property seekers are breaking all previous records.

United is one of the nation's largest brokers of real estate and has over 350 local offices throughout the country from coast to coast, Lind added.



THESE YOUNG LADIES are members of the Oinkari Boise Basque dancing group who will appear at the World's Fair in New York. They are shown here performing a dance of pagan offering which is on the order of a ballet. The dancers will appear in a two-hour show at 8 p.m. Friday, April 24, in the Ontario high school auditorium. The performance will be a sneak preview of the World's Fair show and is being sponsored by Ontario Basque Club, Inc. According to Mrs. Lawrence Echanis, "Oinkari" means dancing feet. The group's lively and colorful dances are performed with accordion accompaniment. Mrs. Echanis has stated that tickets for the Ontario performance are on sale at Marguerite's Apparel in Nyssa or may be purchased from any member of the Ontario Basque club.

sored by Ontario Basque Club, Inc. According to Mrs. Lawrence Echanis, "Oinkari" means dancing feet. The group's lively and colorful dances are performed with accordion accompaniment. Mrs. Echanis has stated that tickets for the Ontario performance are on sale at Marguerite's Apparel in Nyssa or may be purchased from any member of the Ontario Basque club.

Bees Communicate With Dances, Says Oregon State University Entomologist

Bee "dancing" is in full swing during the warm spring days in Oregon.

These dances are part of an elaborate system of communication among bees and help them maintain the most highly developed social system within the animal kingdom, according to W. P. Stephen of the Oregon State university entomology department.

Honey bees can gather pollen, nectar and water for the colony with great efficiency because of their unique ability to communicate among themselves in response to needs, Stephen said.

Communicate With Each Other

Not only do bees respond readily to need, he said, but they can tell other bees the exact location and distance of food material which is far from the hive.

Main bee communication consists of two unique dances described by scientists as the "round" dance and the "tail wag" dance.

The round dance is made in a continuous figure eight route while the tail wag dance follows

the same path but includes zigzag motions of precise lengths.

A bee doing the tail wag dance and pointed in a certain way indicates direction of the food source, Stephen said. The number of tail wags indicates how far from the hive the food is located.

Zigzags Indicate Distance

A bee making 12 zigzags communicates to the field bees that a food source is close to 60 yards away, observations indicate. If the dancing bee makes eight tail wags, the distance to the food is about 200 yards away. One big tail wag indicates the food source is a mile away, the entomologist disclosed.

Bees seem to use the sun as a focal point to orient themselves to direction, Stephen explained. The sun's polarized light rays apparently allow the bees to adjust their dance to the direction of the food source.

VISITORS FROM BOISE

Mr. and Mrs. Otis Squire of Boise visited Sunday with her brother and sister-in-law, Mr. and Mrs. Earl Farr.

Adrian Music Pupils Receive High Ratings

Four Adrian junior high school students who participated in the music festival Saturday at Caldwell received first or second place ratings, according to Mrs. Opal E. Willis, director of music.

Rita Piercy, sixth grade pupil, received a first place rating for her clarinet solo, "Gavotte." Kimiko Hori, seventh grader, was given a second place for her flute solo, "Song of India." Other first place ratings went to Jane Timmerman and Teresa Topliff, eighth grade students, for their clarinet duet, "At the Balalaika." Judges gave high praise for all three entries, the director noted.

Mrs. Willis accompanied the girls and expressed extreme pride, not only in their ratings, but also for their interest and efforts in participating.

The girls will be guest players during the high school's year-end concert to be staged May 21 in Adrian.

Increase in State's Cattle Numbers Reported by Agriculture Department

Cattle numbers in Oregon were on the increase in 1963, with close to 100,000 more head in the state the first of this year than the first of 1963.

Figures supplied by the Oregon Department of Agriculture from the inventory made by the U. S. Department of Agriculture show Oregon had a total of 1,537,000 head of cattle Jan. 1, 1964, compared with 1,435,000 the previous year. The two percent gain in calf crop accounted for part of this increase. The estimate for 1963 was 651,000, while in 1962 it was 638,000.

The state moved up to 28th place in the nation from 29th in total cattle numbers. Texas continued to hold the lead in total cattle numbers, with 10,342,000 of the 106,488,000 head in the U. S.

Increase in Beef Cattle

The increase in cattle numbers for Oregon came in beef cattle. They jumped from 1,170,000 as of Jan. 1, 1963, to 1,278,000 the first of this year. Nationally the trend was the same, with the 1964 figure at 78,834,000, while in 1963 it was 74,907,000.

Texas continued to lead the nation in beef cattle production and also to increase its numbers. The first of this year that state recorded 9,404,000 beef animals.

Oregon dairy cattle numbers moved down to the lowest figure since 1905, with 156,000 dairy cattle the first of 1964 compared with 162,000 a year ago. The state

continued in 32nd place nationally. Wisconsin was the leading dairy cattle state with 2,378,000 head. Nationally the figure was 18,073,000.

Sheep Take Downward Trend

In sheep numbers Oregon remained in 13th place in the nation but showed a downward trend in numbers, with 740,000 the first of this year. A year ago the number was 777,000. Despite the decline in sheep numbers in Oregon the percentage of lambs saved, which was 102 per 100 breeding ewes, was the largest record since 1949.

Nationally, the total for sheep was 28,151,000 for the first of the year. Texas, the leading sheep-producing state, had 5,292,000 animals.

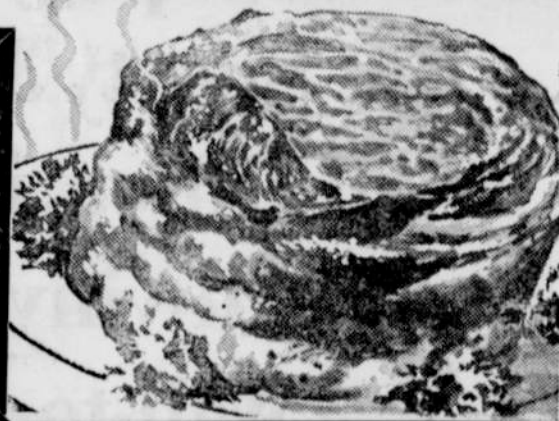
Oregon slid from 29th to 30th place in hog production. The first of this year the state had 234,000 pigs compared with 267,000 last year at this time. National totals also were down from 94,244,000 a year ago to 92,902,000 this year. Iowa, which continued to be the leading hog state, increased its numbers this year to 20,271,000 from 20,093,000 the first of 1963.

DON'T
FORGET
To Register
FOR OUR
FREE
BEEF!

100% Sliceable
BONELESS
POT
ROAST

USDA
Good and
CHOICE
BEEF

59¢
LB.



Swift's — WHOLE CANNED
CHICKENS Only 79¢

Del Monte 46-Oz. — Pineapple-Grapefruit
DRINK 3 Tins 89¢

Hillsdale — No. 2½ Size
PEARS 3 Tins 95¢

Del Monte — 303 Size — Cream, Whole Kernel
CORN 7 Tins 99¢

Morton's — Frozen Assorted
CREAM PIES Each 29¢

Package
CELERY
HEARTS
27¢

Ray's
FOOD
FAIR
Home of Quality and Service
WE GIVE GOLD STRIKE STAMPS

FRESH
FRENCH
BREAD
2 Loaves
25¢

There's nothing like STORE-WIDE LOW PRICES to build up the BUYING POWER of your food dollars. And RAY'S FOOD FAIR has them—row on row of LOW PRICES, aisle after aisle of ROBUST VALUES to put more muscle in your money. So, if your budget needs a shot of "Vitamin C—for Cash," shop at RAY'S where the "Almighty Dollar" is mightier!

Wells & Davies
Sausage
1-Lb. Rolls
3 for \$1

Ore-Ida
INSTANT
Potatoes
10 Pkgs. \$1

Tip-Top
Lemonade
6-Oz. Cans
10 for \$1

FREE . . . Register Now!

Real, Live Black Angus BEEF
TO BE GIVEN AWAY ABSOLUTELY
FREE to Some Lucky Person!

Drawing to be announced at a later date.

Registering for ADULTS ONLY!



ELECT
JEAN (Pat)
BOND

Incumbent
REPUBLICAN
CANDIDATE
for
Malheur County
TREASURER

12 Years Experience Saving Money
For Malheur County Taxpayers!

• COURTEOUS • COMPETENT
• CONSCIENTIOUS

Pol. Adv. by Pat Bond — 684 Clark St. So., Vale, Ore.