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"NOTES BY THE WAYSIDE"— Inskip Discusses Pumpkins, Lime, Ferns, Blueberries, Insecticides

A letter from E. D. Hosmer of Boring raises the whole question of the value of pumpkin and squash for livestock and poultry feed. According to analysis they rate about the same as stock beets and carrots. For cattle feeding Henry and Morrison's "Feeds and Feeding" reports that one ton of squashes or pumpkins are equivalent to 800 pounds of corn silage or 333 to 400 pounds of mixed hay.

This means that these products are quite bulky and that animals have difficulty consuming sufficient quantities to maintain themselves. They should, therefore be fed in limited quantities as supplements to better feeds.

"Feeds and Feeding" also reports "... it would take 10 tons or over of pumpkins to equal one ton of grain for pigs. Cooking pumpkins for swine is not beneficial. There is a common opinion that pumpkin seeds are harmful to stock, but this is not true. Feeding seeds alone, however, is apt to cause indigestion on account of the high fat content."

Some Vitamin Value

Many feeds containing yellow coloring are rich in carotene. Carotene is manufactured into vitamin A in the livers of animals which consume them. This means that these yellow colored feeds can be substituted, to an extent, for green feeds which are valuable for their vitamin A content. It is the carotene which gives the natural yellow coloring to butter. Yellow corn is the only grain carrying carotene which is also found in carrots and in yellow pumpkins and squashes. It is likely, therefore, that pumpkins and squashes have some vitamin food value over and above their total digestible nutrients.

New Insecticide Developed

One of the new synthetic insecticides with a complicated chemical formula is now called Parathion and is said to be an effective control for most aphids

or plant lice. If so, this material may be more sensational than DDT and its discovery marks the first effective control for aphids since discovery of nicotine sulphate or Black Leaf 40 many years ago. Looks as if one spraying of mixed DDT and Parathion may be sufficient for control of codling moth worms in apples and pears for an entire season. Also looks as if DDT may soon be replaced by more effective insecticides.

It would seem that insecticide discoveries during the past five years are more important than all of those of the past forty years. We are not in a position to recommend this new spray—not right away anyhow.

Fern Harvesting Discussed

We are indebted to Project Forester Al Parker for the following information relative to harvesting and value of sword ferns, which he assembled in response to requests of Roy Allen, Sandy, and William Gulperlet, Oregon City.

Florists want 22 to 26 inches in length and made into bunches of 52 each. Prices range from 12 to 14 cents a pound. A sword fern management study made by the Pacific Northwest Forest Experiment Station indicated the following conclusions:

1. An annual pick of not more than 25 percent of the fronds on an individual plant can be made. This should insure a permanent crop, but to pick more is harmful.
2. Least damage to the plants result from Spring and Summer picking.
3. Fern in the open is seldom worth picking.
4. Fern under Alder should be picked in Summer before Alder leaves fall because the leaves stain and injure the fronds.
5. Ferns growing under cedar are best.
6. An acre of fern growing under the most favorable condition might produce \$22 worth of ferns per year at the 12 cents per pound price.

Oregon grape roots sell at about 8 cents per pound. The county agent's office will supply names of purchasers of sword ferns and Oregon grape root on request.

Washington's Farm Problems
Farmer George Washington, shortly after resigning his commission as a colonel during the so-called French-Indian Wars, returned to farming. One of his first orders to an English firm was for seeds of Sanfoni, Lucerne and Raygrass. Lucerne is of course, alfalfa. Sanfoni is a time-loving legume common to southern Europe but not adapted to this country, so far as we can learn. We cannot identify Raygrass, which he distinguishes from ryegrass, and which he also ordered from England from time to time.

Washington also had standing orders for the latest books on

"husbandry." It is evident from his writings that his yields of tobacco decreased from year to year. He attributes these decreases to unfavorable weather but we can read between the lines that his soils were rapidly becoming exhausted and that he didn't know what to do about it. These were before the days of experiment stations and farmer's bulletins and mineral fertilizers. Finally he came to the conclusion that it might be well to move to newer lands in the Ohio country and adds that he would do so if it were possible to transport his products from distant Ohio to the Atlantic seaboard.

Lime Available

"Most lime orders are being filled in a couple or three weeks." This is the answer of the lime plant at Oswego to our inquiry about getting more lime for Clackamas county fields. Lime is available in either bulk or sack, but most of it is going out in the sack through these Winter months. It will be stockpiled now for later use.

Securing sacked lime means handling twice, but also means earlier delivery and better crops sooner. Much to our amazement, trucks have been hauling some 80 tons per day from under our very noses to be stockpiled for use on farms in one of the coast counties. Even worse, because of full bins, the plant was forced to shut down one day recently.

Perhaps this suggestion, "get your lime now," may create a longer waiting list at the plant and will mean spreading it yourself.

Blueberries are a subject of great interest lately, and several farmers have indicated the desire to plant some out. To help these farmers, plans are being made by Lee Garoian for a one day field trip to Corvallis to look over the blueberry nursery at the college. So far we have Joe Pavlinac, Julius Welter and W. E. Bantelle, who are planning on going to the college for the one day trip. There still remains room for several additional farmers who are interested in getting into this field. Anyone interested can get in touch with Lee Garoian in our office.

Church Services

Sandy Community Church
C. F. McIntire, Pastor
9:45 Sunday school hour. Mrs. N. Zeller, Supt. Lesson theme: "God's Fellow Workers."
11:00 a. m. Church Worship hour. Special choir music. Morning Message: "An Inward Attitude."

8:00 p. m. Christian Endeavor, Mrs. W. Annis, Pres. Chorus singing and devotional program.
9:00 p. m. All church singing. Refreshments served. Everyone welcome.
Tues. 8:00 p. m. Adult study class, at the parsonage. All welcome.

First Baptist Church
L. C. Des Voigne, Pastor
Services held in Sandy Women's club hall.
10:00 a. m. Sunday school.
11:00 a. m. Worship service.
7:30 p. m. B. T. A.
8:15 p. m. Evening worship.

Dover Community Church
2:00 p. m. Sunday school.
2:45 p. m. Worship service.
Saturday, 8 p. m. Young people's meeting.

Seventh Day Adventist Church
J. J. Dollinger, Pastor
W. J. Gardner, B. H. Herndon, John Edwards, elders.
9:30 a. m. Sabbath school. Mrs. Alvin Bakke, superintendent.
11:00 a. m. Preaching service
Friday, 7:30 p. m. Young People's meeting.

St. Michael's Catholic Church
Sandy
Rev. W. J. Delplanché, Pastor
9:30 a. m. Sunday Mass.

St. John's Catholic Church
Welches
Rev. W. J. Delplanché, Pastor
11:00 a. m. Sunday Mass.

Immanuel Lutheran Church
Sandy
N. E. Dey, Pastor
9:00 a. m. First morning service. Sermon by the pastor. "The Race for the Incorruptible Crown."

10:00 Sunday Bible school. Classes for children and adults.
11:00 Second morning service. Sermon as above. Installation of newly elected church officers.

Walther League ski and toboggan party at Government Camp. Cars will leave the church following the first service. Kenneth Huck in charge of arrangements.
Mon. 8:00 p. m. An adult membership class will be organized which will study Bible doctrine preparatory to confirmation.
Tues. 8 p. m. Choir rehearsal in the upper school room.

Thurs. 8 p. m. "What Does the Bible Say?" Discussion of Christian doctrine for adults.

The Chapel of the Hills
Community Church
Thyra E. Funk, Minister
10:00 a. m. Sunday school.
11:00 a. m. Worship service.
Wed. 7:30 p. m. Mid-week service.

The Sandy Baptist Chapel
E. L. Rhodda, Pastor
10:00 a. m. Unified Service. Scripture memory work: Ephesians 2:8-10. Object lesson: Mrs. Lyle Seaman. Duet: Mrs. E. Rodday and Mrs. C. Bennett. Morning Message: "The First and the Last."
7:00 p. m. Children's meeting. Mrs. C. Bennett in charge.
7:00 p. m. Young Peoples meeting. Mr. L. Caswell in charge.
7:00 p. m. Bible study class, "Signs of His Coming," in auditorium, led by the pastor.
7:30 p. m. Evening Service. Singing, testimonies. Evening message: "Omnipotence."
Tues. 7:30 p. m. Men's meeting at home of Mr. C. O. Caswell.
Wed. 7:30 p. m. Mid week praise, prayer and testimony meeting.

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