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ADVICE OF HOG EXPERT

Byron Hunter Who Was With Demonstration Train at Madras Gives Address For Publication

(Continued from last week.)

Rape is an excellent hog pasture. It is biennial and does not produce seed until the second year. During the first year the hogs feed upon the green leaves, which are very similar to the leaves of the rutabaga. Rape grows under a very wide range of conditions. It does well in the semi-arid districts of the wheat belt if sown in the early spring so that it will become well developed before the dry weather begins. If it is sown broadcast care should be exercised to get a thin even stand. If it is too thick it seems to choke itself out and the growth is not satisfactory unless there is plenty of moisture in the soil. The most satisfactory results are usually secured with rape by sowing it in drills about twenty inches apart so that it can be cultivated. In the drier localities it will do best if sown on land that was in cultivated crop or that was summer fallowed the previous summer.

Rape should be ready for pasture in from six to eight weeks after it is seeded. The growth should be from eight to ten inches high before the hogs are turned in so they will feed upon the leaves instead of eating the plants off close to the ground. This crop deserves a place on many farms to furnish green succulent feed during the summer months when other feeds have dried up and when the hogs are working on mature wheat and peas.

Spring and summer pasture may be provided then as follows: Fence off two fields near the watering place. Plant barley or wheat in one for spring pasture and corn, sorghum or rape in cultivated rows in the other for summer pasture. The wheat or barley then alternates with the cultivated pasture crops, being grown first on one field and then on the other.

CROPS TO HOG-OFF

When hogs are turned into a field of wheat, peas or corn, and allowed to do the harvesting themselves, it is called "hogging-off the crop." Some look upon this as a wasteful practice, but under proper management the contrary is true. By letting the sows and shoats clean up after the fattening hogs a field may be cleaned up remarkably well. It costs from 35 to 40 cents per bushel to harvest and market a six to eight bushel crop of wheat. When the crop is properly hog-

ged-off the cost of harvesting and marketing is saved.

Mr. W. H. Steen of Umatilla county has had excellent results in hogging off wheat and barley. Mr. Steen had some steep side hills which had never been farmed. In the spring of 1910 a twenty-acre piece (the land was measured) was plowed and sown to blue stem wheat. Nine acres of the best of the field was cut for hay, the yield being one ton of weighed hay to the acre. When the remaining eleven acres of wheat was nearly ready to cut with the binder, July 17th, ninety head of hogs were weighed and turned into the field.

Total weight when turned in, 4500 lbs.

Total weight when taken out August 24th, 6261 lbs.

Gain while in the field, 1761 lbs. Value of gain at nine cents (price of pork on that date), \$1558.49.

Income per acre, eleven acres, \$14.41.

Estimated yield per acre, 15 bushels.

Net income per bushel on estimated yield, 96 cents per bushel. **CLEANING THE STUBBLE FIELD WITH HOGS**

The ninety head of hogs weighing 6261 lbs. were turned into 178 acres of wheat stubble. They were in the stubble field without other feed until November 1st, when they were again weighed, the total weight being 8350 lbs. At nine cents per pound, the price of pork at that time, this was worth \$188.01, or \$1.05 per acre.

In the early spring of 1910, 11.45 acres of steep north hillside, sage brush land, was plowed and sown to blue barley. On November 1st, after the rains had softened the barley kernels, eighty of the hogs that were in the stubble field were weighed and turned into the barley. Their total weight when turned into the field was 7050 lbs. November 29th they were again weighed and placed into the fattening pen. Total weight, 9350; gain, 2300 lbs.

On November 19th eighteen brood sows were weighed and turned into the barley. By November 29th they had gained 323 pounds, making a total gain from 11.43 acres of barley from the two bunches of hogs of 2623 lbs. The price of pork at this time was eight cents per pound, which gives (2623 lbs. at eight cents) \$208.84, or \$18.28 per acre. In addition to this the two fields hogged off furnished considerable pasture during the early winter and the early spring. Mr. Steen estimated that the barley would not have yielded over 21 bushels per acre. He harvested 110 acres of spring sown barley, which he says was the better crop of the two. This yielded him 1017.5 pounds per acre. The barley was worth one cent per pound or \$10.17 per acre gross, the cost of harvesting not being deducted.

Wheat may be profitably hogged down from the time it is in the stiff dough stage until the fall rains begin. A soft variety of wheat with a stiff straw and a head which will not shatter easily should be used. Turkey Red is too hard to hog-off profitably. Barley may be used for about ten days or two weeks in the early part of the season (from the stiff dough stage until the kernels become hard) and again in the autumn and early winter after the rains have softened the grain. Hogs do not do well on barley after the grain has become hard and dry. Since barley ripens a little earlier than wheat it may be used for about ten days before the crop is ready. If the barley used at this time is not cleaned up well what is left may be cleaned up after the rains have started in the fall. In hogging-off barley, wheat or peas, it is well to have some green succulent feed to supplant the dry grain. The brood sows and young shoats may be made to clean up the fields after the hogs that are to be marketed soon have taken the best of it.

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Through Car Service Between Bend and Portland

DAILY TRAIN SCHEDULE

Leave Bend	6:30 a.m.	Leave Portland	7:50 a.m.
" Deschutes	6:53 a.m.	" The Dalles	8:10 a.m.
" Redmond	7:21 a.m.	" Deschutes Jct.	8:30 a.m.
" Opal City	8:00 a.m.	Arrive Madras	8:50 a.m.
" Metolius	8:30 a.m.	" Metolius	9:10 a.m.
" Madras	9:00 a.m.	" Opal City	9:30 a.m.
Arrive Deschutes Jct.	1:15 p.m.	" Redmond	9:50 a.m.
" The Dalles	1:55 p.m.	" Deschutes	10:10 a.m.
" Portland	5:45 p.m.	" Bend	10:30 a.m.

For further information call on any O.-W.-R. & N. Agent, or write to
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