

Screenings complete.—1. In the above experiments complete finely ground screenings were, to all classes of stock, somewhat unpalatable due to black seeds. It required several weeks for animals to overcome their dislike of these seeds.

2. Complete screenings proved a very valuable meal, but best when comprising only a part of the total meal ration.

3. Complete screenings for lambs in the above experiment, when compared with grains and roughages at market values, have a value of \$39 per ton when comprising 50 per cent of the grain ration and \$26 per ton when comprising the total grain ration.

4. Mr. W. H. Fairfield, Superintendent, Experimental Station, Lethbridge, Alta., reports screenings of about equal analysis to be worth in lamb feeding from \$10 to \$35 per ton depending on methods of feeding and values of other foodstuffs. Readers are referred to his annual reports for the years 1912, 1913, and 1914.

5. Complete screenings for swine give fair returns. When mixed with feed flour (Oglivie's "Noxol") in proportions of 3 to 1, the mixture is worth \$18.40 per ton. Had the black seeds been removed this feed would undoubtedly have increased \$10 per ton in value.

6. Complete screenings for dairy cattle were somewhat unpalatable due to black seeds. When composing 20 per cent of the grain ration, the screenings acquired a value of \$34 per ton. The addition of molasses makes the ration palatable but detracts from the food value, making the mixture of screenings and molasses meal worth only \$25 per ton. This is clear evidence that the most economical way of making screenings more palatable is not to add other constituents but to remove the black seeds.

Screenings, black seeds removed.—1. In the above lamb feeding experiment it is clearly proven that screenings with black seeds removed are worth \$10 more per ton than the complete screenings. The increased palatability alone would account for most of this difference.

Undoubtedly this would apply equally well to the feeding of screenings to other classes of stock.

Buckwheat screenings.—In the feeding of young pigs buckwheat screenings is a valuable meal, worth in the above test \$27.60 per ton.

This feed would undoubtedly have proportionate value in feeding sheep and cattle.

POULTRY.

During the winter of 1913, the Poultry Division, Central Experimental Farm, conducted experiments on the feeding value of the following material supplied by the Seed Branch: (1) complete screenings, (2) scalpings, (3) black seeds, (4) wild buckwheat (*Polygonum convolvulus* L.), (5) lamb's quarters (*Chenopodium album* L.), (6) wild mustard (*Brassica arvensis* (L.) Ktze), (7) tumbling mustard (*Sisymbrium altissimum* L.). The last four weed seeds were obtained practically pure for this work.