

No. 68606 (256 seeds per lb.), sold as Bran by Brackman Ker M. Co., Nelson, B.C., manufactured by the Ogilvie Flour M. Co., Medicine Hat.

No. 84884 (208 seeds per lb.), sold as Bran by F. Coutu, Lamarche, of Bertbier-ville, manufactured by Lake of the Woods F. M. Co., Keewatin.

I am given to understand that large accumulations of weed seeds occur at the elevators and at the mills, and it cannot be denied that in most cases these seeds possess considerable food value. It is, however, to be noted that all of the varieties of mustards, as well as certain other seeds, are disliked by hogs and other domestic animals, and certain of them are poisonous. The matter of utilizing these seeds as ingredients of mixed feeds is therefore open to question, and unless it has been ascertained that objectionable varieties of seeds are absent they should certainly not be employed as feed material.

In any case, the addition of such seeds to bran is quite inadmissible. Bran and shorts are distinctly defined by the regulations above quoted in such a way as to exclude the intentional addition of weed seeds.

On the whole, the results given herewith do not bear out the contention that widespread adulteration of the classes of feed named exists. It is to be borne in mind that legal requirements for bran and shorts do not measure up to the values of the best specimens of these respective milling products. Many samples of bran are found to contain more than 14 per cent of protein. The addition of non-protein matters to such bran, so long as it does not bring up the fibre content to more than 10 per cent, may be regarded as adulteration from one point of view, inasmuch as bran is assumed to have nothing added to it other than bran itself, but it might be impossible, upon analytical results, to prove such addition. So long as the buyer obtains 14 per cent of proteids, 3 per cent of fat and not more than 10 per cent of fibre, he gets the actual feed value of legal bran. It would be possible to mix together two samples of bran, one having a higher than average value, the other a lower value, and secure a mixture legally vendable as bran, and actually consisting of nothing other than bran. Where a manufacturer knows that his product has a value much above the established legal minimum, it would seem to be an advantage to sell such product as a registered feed, with a guarantee of value. This is, however, a matter to be considered by the producer himself.

I beg to recommend publication of this report as Bulletin No. 422.

I have the honour to be, Sir,
Your obedient servant,

A. MCGILL,
Chief Analyst.