

Analysis of Mixed Chop Feeds.

Laboratory No.	Particulars.	Name	Moisture.	Protein.	Fat	Carbohydrates	Fibre	Ash
10808	Robin Hood Mills, Moosejaw, Sask.	Dutch Dairy Feed	7.10	10.74	2.59	58.19	16.27	5.11
25767	Manufacturers of "Force".....	Feed..	6.78	10.45	2.66	69.18	7.39	3.31
28838	Quaker Oats Co.....	Banner Cattle Feed	11.33	8.14	2.13	66.85	8.68	2.87
30784	From Rimouski, Que.....	Feed.....	12.86	5.56	.68	52.21	26.70	1.96
29018	From Washago, Ont.....	Mill Feed	9.83	9.69	2.54	63.93	10.70	3.31
28256	From Harriston, Ont.....	Mill Feed	8.40	9.95	1.59	61.64	12.09	3.42
28102	From Montreal, Que.....	"Montlee C"	7.08	8.85	2.56	61.19	12.59	7.82
16961	Grain Growers B. C. Agency, New Westminster.	Mixed Concentrates.	7.85	14.53	9.61	51.12	7.73	6.16
29753	Robin Hood Mills, Moosejaw, Sask..	"Jersey" Pig Feed.	11.02	13.62	3.17	65.06	4.70	2.38
30854	Origin not stated.	Feed.....	12.33	11.75	2.76	60.47	9.47	3.22
11056	Tillson Rolled Oats Co.....	"Mealine"	7.95	17.19	6.10		2.48	
31577	Quaker Oats Co., Peterboro, Ont....	Schunacher Feed.	10.45	11.62	3.60	59.30	11.45	3.68
39998	Quaker Oats Co., Peterboro, Ont....	Schunacher Feed.	9.75	11.48	3.58	60.50	11.10	3.59
49175	Quaker Oats Co., Peterboro, Ont....	Schunacher Feed.	11.59	10.90	2.21	59.73	11.09	3.79
11057	Canadian Cereal Co., Woodstock, Ont. Branch.	Oat Flour	6.55	14.88	6.05		4.97	
11058	Canadian Cereal Co., London, Ont. Branch.	Oat Flour	8.87	13.06	2.62		11.17	
21230	Archibald Cereal Mills Co., Woodstock.	Oat Flour	7.95	17.25	7.83	60.93	3.44	2.60

Laboratory No. 10808.—This feed meets the requirements of the Act for chop feeds as regards protein and fat, but is too high in fibre. Inspection showed it to contain a considerable amount of oat hulls and some unground weed seeds.

Laboratory No. 25767.—A by-product in the manufacture of the well-known breakfast food "Force." It is essentially a wheat product. Though not a feeding stuff of high nutritive value from the standpoint of protein and fat, its comparatively low fibre content is a favourable feature, more especially if intended for young stock.

Laboratory No. 28838.—This feed on examination was found to consist chiefly of corn and oats with a few weed seeds. The material is imperfectly crushed or cracked rather than ground, and a large proportion of the oat hulls were practically entire and very hard and sharp. The sample may contain a certain proportion of added hulls. Further, the appearance of the feed gives rise to the suspicion that mill sweepings are present.

A mechanical analysis furnished the following data:—

Coarsely cracked corn and whole oats, retained on 10-mesh screen..	15 per cent.
Fine meal passing 20-mesh screen.....	21 "
Finely cracked corn and oat hulls retained on 20-mesh screen	64 "

This feed, it was alleged, had caused the deaths of several calves and young cattle, after being used for a week or ten days as the exclusive food. Other and older animals had manifested symptoms of illness (unthriftiness and slight hemorrhages) for some time and recovered after this feed was discontinued. Post mortem examination of the young animals, which had died while being fed this meal, showed acute inflammation of the large intestine.

Though one of the best in the present series, this is a low grade chop feed. It must be considered as quite unsuitable for swine and young stock generally, not merely on account of its low feeding value, but chiefly by reason of its harsh nature due to the presence of a large proportion of oat hulls. It might be found safer and somewhat more palatable if more finely ground; but this, though making it less injurious as a mechanical irritant to the intestinal tract, would not add materially to its nutritive value nor make it a desirable feeding stuff.