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We find in a late number of the North British Agriculturalist an interesting ex-periment, illustrative of the subject, of special feeding and quality of Milk made by Dr. Stephenson Macadam, and reported by him to the Pharmaceutical Society of Edinburgh, Scotland. This experiment was upon ewes. Ten ewes, with lamba, were selected and placed in a pasture with abundant grass, in May. The milk taken from each ewe was kept separate and analyzed separately. After the sheep had been some weeks upon this good grass, the ewes were milked, and the following table gives the results of the analyses of the ten samples :

IN 100 PA	RTS BY	WEIGHT :		
Ewe	Total Solids.	Fat in Solids.	Solids not Fat.	Ash in Solids.
No. 1	17.45	5.02	12.43	0.79
2	18.77	6.56	12.21	0.81
3	20.25	8.94	11.31	0.82
4	21.01	. 9.56	11.45	0.95
5	17.76	5.30	12.46	0.87
6	18.76	6.63	12.13	0.81
7	18.94	7.37	11.57	0.73
8		5.37	11.67	0.93
9		4.56	12.88	0.93
10		8.46	11.67	0.89
Average of all	18.75	6.77	11.97	0.85
Lowest	17.04	4.56	11.31	0.73
Highest	21.01	9.56	12.88	0.95

These analyses show the remarkable richness of ewes' milk, when fed only upon grass. To test the effect of richer food, arrangements were made to give other food besides the pasture to certain ewes. Numbers 1, 2 and 3 were each fed daily with one pound linseed cake for ten days; Nos. 4, 5, and 6 with a pound of cotton cake; Nos. 7, 8, and 9 with a pound of oats; while No. 10 was given only grass. All ran in pasture except when eating their allowance of other food. At the end of the ten days the ewes were again milked, and the ten samples gave the following results on analysis :

Analysis of milk from ewes fed on artificial food in addition to natural pasture . TN 100 DADED DV WETCHE

	Total	Fat in	Solids in	Ash in
E	ves. Solids.	Solids.	not fat.	Solids.
and a strangent of	No. 1	9.79	11.54	0.87
Linseed Cake {	2	6.63	12.24	0.85
	3	4,67	11.67	0.87
a lin that	4	10.15	12.02	0.84
Cotton Cake.	5	7.63	11.70	0.88
	6	8.56	12.09	0.91
and heid a	7	6.96	12.48	0.87
Oats	8	10.48	11.72	0.96
( 9	9	4.41	11.72	0.77
	10	9.80	11.35	0.88
		Carl Charles		
Average of	all	8.27	11.35	0.89
Lowest		4.67	11.84	0.77
Highest		10.48	12.48	0.96

The difference in composition of the milk from the extra feeding is not uniform, at it will be perceived that the average total solids were increased from 18.75 to 0.11 per cent., which may be considered a great change to be made in ten days ; ut in what constituent of the milk was the change made? If we examine the able, we shall find the change to be made almost wholly in the fat; the average as increased from 6.77 per cent. to 8.27 per cent. But the greatest change was

4