

POTATOES.

Continuing the previous season's trials on cut *versus* uncut seed the following results per acre were obtained:—

Variety.	Uncut Seed.				Cut Seed.			
	Table.	Seed.	Pig.	Total.	Table.	Seed.	Pig.	Total.
Dakota	5.05	1.52	0.30	6.93	3.95	0.80	0.24	4.99
Arran Chief	3.47	4.23	1.86	9.56	2.98	2.48	0.87	6.33
Reading Russet	10.44	4.48	1.99	16.91	9.07	3.24	1.49	13.80
Snowflake	11.31	2.87	0.99	15.17	10.70	1.74	0.23	12.67
Snowdrop	6.47	6.24	2.74	15.45	4.97	6.84	1.86	13.67
Bresee's Prolific	7.34	2.74	0.99	11.07	8.30	3.55	1.42	13.27
Manhattan	3.36	2.24	0.75	6.35	3.20	1.39	0.49	5.08
Up-to-date	1.86	1.74	0.86	4.46	1.84	2.48	0.74	5.06
British Queen	4.00	2.46	0.96	7.42	3.25	1.44	0.62	5.31
Average, 1922-23	5.92	3.16	1.27	10.36	5.36	2.66	0.88	8.91
Average, 1921-22	1.68	2.66	1.07	5.42	1.37	2.13	1.87	4.37
Average, 2 years	7.65	6.41

It will be noticed that only in the case of Bresee's Prolific and Up-to-date did the cut seed exceed the uncut in yield. The New Era variety was tested but not dug in the 1922-23 season.

BACTERIAL CONTAMINATION OF MILK AND CREAM.

HINTS FOR DAIRY-FARMERS.

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MILK as secreted in the udder of a healthy cow is germ-free. Contamination may take place in various ways: first, during the act of expressing the milk from the teat, as the opening from the milk-sinus to the outside is of such a nature that bacteria adhering to the mouth of the milk-duct are washed away with the first milk and therefore contaminate the whole milking. It will thus be seen that careful washing of the cow's udder is the first step in the endeavour to produce a bacterially clean milk. Thereafter there are different sources of contamination that can, with thought and care, be eliminated to a large extent. The chief sources lie in the use of unclean dairy utensils and the air of the milking premises.

Too much stress cannot be laid upon the importance of thoroughly washing all dairy utensils, and finally scalding them with boiling water and retaining them in this boiling water for a few minutes.

Contamination from the air is effected by the multitude of fine particles of dust that are ever present in the atmosphere of many