Penn State Seeks Ways to Use Milk Whey

Dairy scientists at Pennsyl- cheese and cream cheese vania State University are work- They describe whey as ing the 10 billion pounds of cheese is made.

Watrous Jr, professor of food United States from cottage while an imposing cost is creatwhey thrown away nationally

While dried sweet whey is science and industry at Penn cheese production. The making ed for sewage disposal systems

each year in making cottage already used widely in ice State.

cream and other daily products, They describe whey as that sour why is difficult and costly million pounds of whey solids ing to develop methods of utiliz- part of milk left over when to process, says Dr George H are available annually in the ties of nutritious food are lost

He reports that about 170 of American cheese produces to digest, Di Watrous states

an even greater 754 million pounds Piesently, about half of all this goes to waste for lack of economical ways to process it into useable food

Obviously, very large quanti-

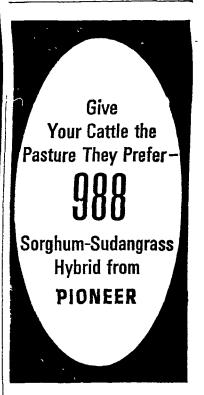
Whey solids offer an economical source of proteins and milk sugai, and a substantial level of vitamins, especially the

With food value in mind, Dr. Watrous and associates are studying the possibility of substituting cottage cheese whey solids for milk solids not fat - items usually added to fortified skim milk, low fat milk, and ice cream

Two taste panels are measuring the flavor acceptability of dried whey as a substitute for milk solids not fat One panel is composed of trained dairy specialists The other panel includes women with extensive training in food evaluation.

"If our research indicates that cottage chese whey solids can be substituted for nonfat milk solids from a flavor standpoint, standards of identity for such products will probably have to be announced before the products can be sold," Dr. Watrous affirms

Presently, up to 25 per cent of the milk solids not fat in ice cream may come legally from whey solids No standards exist for substitutions in fortified low fat or cream products



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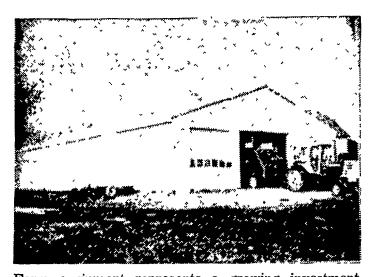


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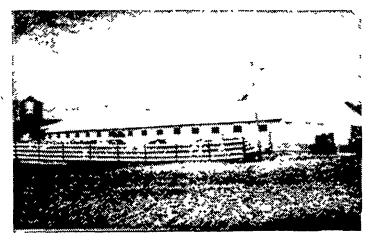
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