

## SCOTT SALES COMPANY

BOX 6021  
MINNEAPOLIS 10, MINNESOTA

October 8, 1957

Mr. Miles Willard  
943 Tenth Street  
Idaho Falls, Idaho

Dear Miles:

I received the potato flakes and ran them in the chip formula yesterday. They made a good chip. However, they made a better chip when I used 50% potato flour and 50% potato flakes. I think this is the best chip that we have made. The flakes made a better chip than the granules that you sent from Basic. I also experimented with Simplot granules. The Simplot granules made a better chip than the Basic, which surprised me. However, neither was as good as the flakes.

I talked to Bill Parker today. They told me that you were at home with the flu, from which I hope you will have recovered by the time you receive this. I asked Bill to send me from 200 to 500 pounds of the flakes at Detroit just as quickly as possible so that I could get a production run with them. Incidentally, all of our production runs since the time you were in Detroit have been very good. I have developed that the large amount of sodium bisulphite in the A Mix was what threw our operation when you were there. However, the small amount that will be in the flakes should have no bad effect.

I would appreciate your advising as to whether there is anything in the potato flakes other than sodium bisulphite and milk solids, and if you could tell me the percentage of each.

I have written to Mr. Templeton as per the enclosed copy. He is sailing on the Queen Elizabeth October 30 for the United States. I am not just sure what his itinerary will be on arrival, although it will involve being in Chicago and probably Minneapolis, as well as New York and Washington.

To get back to the potato flakes, in our mixing these with potato flour they break down to about a 12 mesh. This indicates that we would be able to use the fines, etc. that will undoubtedly develop in your operation. Also, we would be



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able to use the powder or what will probably be around 80 to 100 ~~mix~~ in our A Mix where we now use fine potato flour. You will recall that we discussed this last year. As this will be a by-product it could undoubtedly help reduce the cost of our mix. However, I would like to do some experimenting with it in the A Mix to be sure the sodium bisulphite has no deteriorating effect.

If you could send me at Minneapolis three or four more pounds of the flakes I would appreciate it, and also some of the powder or fine, if you have such.

I have run into some rather interesting things on potato flour as well. Last week I cooked each ingredient that we use in our mix in a 350 degree fat bath. The only item that burned or scorched was potato flour. As you know, this scorching or burning is the thing that has given us difficulty both in flavor and in color. Previously I had been inclined to blame this on the algin. There was no discoloration or breakdown of the algin, however, in this cooking. As a consequence, the thing that we need to do is to see if there isn't some way that potato flour can be so made that it will not have this tendency to burn. Incidentally, I did not get burning on the granules or on your potato flakes when given the same treatment as the flour. I think this is probably the reason that by mixing the flakes and the flour we come out with a better chip. It is the old story of the potato flour probably being dried at high temperatures, plus the fact that the starch cells are all broken that causes it. The only way I know of that this might be surmounted would be to use less heat in the rollers and leave the potato flour with a higher moisture content than is customary. Would appreciate your opinion on this.

With very best wishes, I am

Sincerely,

Scott Sales Company

  
W. A. Scott

Enclosure  
WAS/dg