BRIEFER ARTICLES.

THE COMPOSITION AND QUALITY OF WHEAT GROWN IN MIXTURES WITH OATS.

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Wheat and oats are frequently grown in mixtures through this section of the northwest, such mixtures being commonly known as "succotash." The millers who finally purchase the mixed grain have varying ideas concerning the quality and milling value of the wheat which it contains. Some are satisfied that the wheat separated from the mixture is lower in gluten and of generally inferior quality to wheat of the same type grown alone. Others state that in their opinion the wheat grown in mixtures with oats is of superior quality. While this difference of opinion may be in part due to dissimilar uses of the term "quality," the disfavor with which this wheat is held by certain millers whose definition of quality is similar to the writer's, led him to undertake the investigations of which this paper is a preliminary report. The work will be continued several seasons before final conclusions are drawn, but the results of the first year's work are at such variance with certain opinions, that it has been deemed advisable to publish them for the information of those who are interested in the matter.

The grain was grown by the Division of Agronomy and Farm Management of this Station. Duplicate series of three plots each were planted. The rate of seeding and the percentage of each grain in the mixture after threshing are shown in Table 1. The control plot was seeded with the usual quantity of wheat, while plots 11 and 24 received one half the usual seeding of both oats and wheat, and plots 12 and 25 received three fourths the usual amount of both grains.

1 Data furnished by Professor A. C. Arny, of the Division of Agronomy and Farm Management.