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## THE ANALYSIS OF PROTEIN IN POTATO TUBERS

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### ABSTRACT

It has been determined than the total protein content infresh tubers range from 1.22 to 1.69% in 5 cultivais tested. It has been discovered by analysis of polyacrylamide gel electrophoresis that more than 80 per cent of the total proteins concentrate on three major bands in the gel. It is clear that three kinds of proteins are major components of potato tubers. It has been determined by analysis of SDS-PAGE that the molecular weights of the three major components of protein are 78, 40 and 18.5 thousands Dalton respectively. the difference of protein of different cultivars was showed in the electropherogram of two dimensional electrophoresis.

### · 简 讯 ·

#### 青薯 168 号马铃薯新品种通过鉴定

1989年11月7日, 青薯 168 号马铃薯新品种在青海省西宁市正式通过鉴定。

该品种薯大、皮光、芽眼浅、生产潜力大, 淀粉含量17.3%, 薯块为红皮、黄肉, 食味可口, 并有香甜味, 宜作菜用和加工、出口; 地上部生长势强, 枝叶茂盛、茎秆粗壮、叶色浓绿, 抗倒伏、抗病性强, 耐贮藏。

经多年多点实验, 产量居于所有参试品种之首, 1987年在省农科院内种植 3.5 亩, 平均亩产为 2972.15 公斤。1988年种植1.2亩, 平均亩产为4132.54公斤, 其中一株结薯 14块, 重量为 6 公斤; 最大的一块为 2.5 公斤。1989年在大通县青山乡龙卧村种植 1.2 亩, 平均亩产为3798.75公斤, 比对照品种增产87.7%, 目前在我省种植面积为700亩。

(张永成)