

New Potato Selections

Wm. G. Hoyman

Washington 48-1

This selection has been tested at several locations in the United States and Canada. It has generally been one of the highest yielders in these variety trials. It has resistance to *Verticillium* wilt and leaf roll, and net necrosis has never been observed in the tubers. Common scab has occurred on the tubers when grown at certain locations. Following bruising, black spot has been uncommon. The tubers have white skin and are oblong in shape.

The specific gravity of 48-1 has been comparable to Kennebec. It has made desirable french fries and chips when processed directly following harvest. After storage and reconditioning for the manufacture of chips, it has not been as reliable as some of the common varieties used for this purpose.

B5141-6

This selection was recently released by the United States Department of Agriculture and named Lenape. It has produced high yields in Washington and its specific gravity is the highest of any selection ever grown at Prosser. In 1967, its specific gravity was 1.092 when harvested August 8 and 1.112 when harvested October 26. It has resistance to *Verticillium* wilt, late blight, virus A and net necrosis following leaf roll infection. It is medium-late in maturity. The tubers have white skin, are round and have a tendency to be somewhat flat.

B5141-6 has a low sugar content and it has the ability to make excellent chips after harvest or after being in storage. It is one of the few potatoes ever bred that can be chipped directly from low storage temperatures.

Nebraska 396.55-3

This is a red-skinned, round potato that has produced exceptionally high yields in Washington. It is medium-late in maturity and has resistance to *Verticillium* wilt and net necrosis following leaf roll infection. Common scab has occurred on the tubers when grown at certain locations but very little has been observed on Washington-grown tubers.

Sufficient tests have not been made to determine if this high-yielding potato may find a place in the Washington State potato processing industry.