LABELLE: A WIDELY ADAPTED HIGH YIELDING WHITE SKIN POTATO CULTIVAR

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Abstract

LaBelle is a round-blocky, white skinned, white fleshed, smooth, shallow-eyed potato cultivar that is widely adapted and medium late in maturity. It produces a high total yield and a very high percent of number one grade tubers. LaBelle was rated first in overall merit in the 1984 and 1985 North Central Regional trials.

Compendio

LaBelle es un cultivar de papa redonda y maciza, de piel blanca, carne blanca, lisa, y de ojos superficiales, ampliamente adaptado y de maduración medio tardía. Produce un rendimiento total alto y un porcentaje muy alto de tubérculos de grado No. 1. LaBelle fue considerada primera en orden de mérito en los ensayos regionales del norte y centro en 1984 y 1985.

Introduction

The release of LaBelle, a widely adapted potato cultivar was announced on October 1, 1989, by the Department of Horticulture, Louisiana Agricultural Experiment Station, Baton Rouge.

LaBelle was one of 137 clones obtained from the Campbell Soup Company when that company terminated its breeding program.

LaBelle was tested in Louisiana and other areas under the pedigree number of La 01-38 and is a cross between B5461-4 \( \times \) B5141-6. This clone

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Accepted for publication June 9, 1990.

ADDITIONAL KEY WORDS: Solanum tuberosum, Solanum chacoense, Norchip, LaChipper.
is classified as having vigorous vine growth and, in Louisiana, as being medium late in maturity. LaBelle produces a high total yield and a very high percent of number one grade tubers. It was rated outstanding in chip quality in 1983 North Central Regional trials (1 and Table 2), and was rated first in overall merit in the 1984 and 1985 North Central Regional trials (2, 3 and Table 2).

The general tuber characteristics of LaBelle are round-blocky, white skin, and white flesh. It is suitable for table stock and for chipping. Strengths of this cultivar are its wide adaptability, high yield, and stress tolerance (drought and hail damage). It is scab susceptible. Seed markets could be wide.

The pedigree of LaBelle is as follows:

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LA01-38  —  B5461-4  {  ~  B3397-17
                    B4494-1
                    B3944-11
                    B76-43
                    96-56
                    45208
                    Earlaine
                    B605-10
                    B3944-11
                    B4494-1
                    47156
                    B5141-6
                    B3672-3  [ S. chacoense  ×  Menominee ]
                    Cherokee
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PLANTS:

*Vine:* medium large, vigorous, spreading with excellent row cover. *Stems:* uniformly purple mottled along the entire stem. *Wings:* medium size, double, prominent, straight and slightly pigmented. *Nodes:* slightly swollen. *Stipules:* medium size, spreading. *Leaves:* dark green, slightly pubescent, open-type. *Terminal Leaflets:* medium in size, ovate, slightly obtuse apex lobed, symmetrical base mean length 53.0±29.0 mm, mean width 36.1±19.9 mm; index length to width 1.5 (based on sample size of 100). *Primary Leaflets:* medium, ovate, 3 to 4 pairs, mostly 3; mean length 46.8±30.2 mm, mean width 29.6±19.4 mm; index length to width 1.6 (based on sample size of 400). *Secondary Leaflets:* many; *Tertiary Leaflets:* many; *Midribs:* slightly pigmented, slightly pubescent. *Petioles:* slightly purple, slightly pubescent. *Petiolule:* short, slightly pigmented. *Physiological maturity:* medium late.