

Asgrow A3733. Indeterminate, late Group II maturity (relative maturity 2.8) maturing 4 d later than IA2021. Best adapted to 40-42 degrees N lat. Compared with IA2021, averaged 1% higher seed yield, better seed quality, 2.3 g kg⁻¹ higher seed protein concentration, and 5 cm taller plant height. Similar to IA2021 in lodging score. Flowers purple, pubescence tawny, pods tan at maturity, and seeds dull yellow with black hila. Has Rps1b and Rps3 genes for resistance to phytophthora rot, races 1 and 7. Susceptible to brown stem rot (*Phialophora gregata*), soybean cyst nematode races 3 and 4 (*Heterodera glycines*) and sudden death syndrome (*Fusarium solani*).

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PI 597382. *Glycine max* (L.) Merr.

Cultivar. Pureline. "Omaha"; LN91-1733. CV-370. Pedigree - Asgrow A3733 x Resnik. Indeterminate, Group IV maturity (relative maturity 4.2) maturing 2 d later than Flyer (4). Best adapted to 38-41 degrees N lat. Compared with Flyer, averaged 5% higher yield, 9 mg larger seeds, 7 g kg⁻¹ lower seed protein and 5 cm shorter plant height. Similar to Flyer in lodging and seed quality scores. Flowers purple, pubescence tawny, pods tan at maturity, and seeds dull yellow with black hila. Has Rps 1-k gene that confers resistance to multiple races of *P. sojae*, is susceptible to brown stem rot (*Phialophora gregata*) and sudden death syndrome (*Fusarium solani*).

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PI 597383. *Glycine max* (L.) Merr.

Cultivar. Pureline. "LN89-3264". CV-382. Pedigree - Hobbit 87 x Elgin 87. Indeterminate, Group II maturity (relative maturity 2.8) 5 d later than IA2021. Adapted to 40-42 degree N lat. Compared to IA2021 averaged 3% lower yield, lower seed quality score (1.3 vs 2.0), and lower lodging score (1.2 vs 1.5). Similar to IA2021 in plant height, seed protein and oil content. Flowers white, pubescence tawny, pods brown at maturity, and seeds shiny yellow with black hila. Has Rps 1-k gene that confers resistance to multiple races of *Phytophthora sojae*, susceptible to brown stem rot (*Phialophora gregata*) and sudden death syndrome (*Fusarium solani*).