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NARO 国立研究開発法人 農業・食品産業技術総合研究機構

ダイズ新品種「エルスター」の育成とその特性

メタデータ	言語: Japanese 出版者: 独立行政法人 農業技術研究機構 九州沖縄農業研究センター 公開日: 2019-03-22 キーワード: ダイズ, リポキシゲナーゼ, 青臭み, 九州 作成者: 髙橋, 将一, 松永, 亮一, 小松, 邦彦, 羽鹿, 牧太, 酒井, 真次, 異儀田, 和典, 中澤, 芳則 メールアドレス: 所属:
URL	https://doi.org/10.24514/00001929

A New Soybean Cultivar "L-Star"

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Summary

A new soybean [*Glycine max* (L.) Merr.] cultivar "L-Star" registered as "Soybean Norin 115" was developed at Kyushu National Agricultural Experiment Station in 2000. It was selected from the cross "Murayutaka"//"Fukuyutaka"*2/"kyukou355-M_3" made in 1990.

"L-star" is a late-early maturing variety. At maturity, it has broad leaflets, purple flowers, white thick growing pubescence and light brown pods. It is medium in height with determinate growth. The seeds are spheroidal, whitish yellow with yellow hila, and medium in size (24.9g/100 seed weight). The protein content and yield of "L-star" is almost equal to those of "Fukuyutaka". Since "L-star" lacks all the seed lipoxygenase isozymes causing the beany-flavor, it is expected to be used to develop new type materials for soybean food processing.

"L-star"is resistant to soybean viruses and purple seed stain. It is less resistant to soybean root necrosis than "Fukuyutaka," And exhibits high productivity and adaptability in the Kyushu district.

Key words: soybean, lipoxygenase, beany-flavor, Kyushu district.

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