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ダイズ新品種「すずおとめ」の育成とその特性

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New Soybean Cultivar 'Suzuotome'

Ryoichi MATSUNAGA, Masakazu TAKAHASHI, Kunihiko KOMATSU, Makita HAJIKA [1)]
Shinji SAKAI [2)], Kazunori IGITA [3)] and Yoshinori NAKAZAWA [4)]

Summary

'Suzuotome' was developed at the National Agricultural Research Center for Kyushu and Okinawa Region from 1987, and was registered as 'Soybean Norin 121' in 2002. This variety was selected from the progeny derived from the cross 'Nattoshoryu (small-seed variety)' × 'Kyukei 90' that was selected from the progeny originated from the cross 'Hill' × 'Misao'.

'Suzuotome' is a medium maturing variety with determinate growth, broad leaflets, and purple flowers. The pubescence and pod are brown. The main stem is longer, and there are slightly more main stem nodes more than those of 'Nattoshoryu'. 'Suzuotome' is classified as a small-seed soybean as is 'Nattoshoryu' because the 100 seed weight is around 10g.

'Suzuotome' is highly resistant to soybean mosaic virus and purple seed stain and has medium resistance to soybean cyst nematodes. It is susceptible to root necrosis and arenaria nematode (*Meloidogyne arenaria*). The seed yield is a little lower than that of 'Nattoshoryu', but the seed appearance is superior to that of the parent. The protein content is slightly higher than that of 'Nattoshoryu'.

'Suzuotome' has traits suitable for natto processing as does 'Nattoshoryu' and better characteristics for combine harvesting. 'Suzuotome' is well adapted for cultivation in Kyushu or the southern part of Japan.

Key words: soybean, small seeds, natto processing, combine harvesting, Kyushu district.

Department of Crop and Food Science, National Agricultural Research Center for Kyushu and Okinawa Region, Nishigoshi, Kikuchi, Kumamoto, 861-1192.
Present address:
1) National Institute of Crop Science
2) National Agricultural Research Center
3) Japan International Research Center for Agricultural Sciences (Retired on 31 March 2002)
4) Department of Upland Farming Research, National Agricultural Research Center for Kyushu and Okinawa