

VARIETY DESCRIPTION

Triticale Variety "102"

Triticale 102 is an awnleted, winter-type triticale for grazing, silage, and hay. It is suitable for production of fall-planted forage throughout the United States, but is best adapted to the Northeast, Central Plains, and Northwest, areas for which its winterhardiness is an advantage and its later maturity is appropriate. In areas of extreme winter cold, such as the Northcentral U.S., 102 is vulnerable to cold damage and reduced stands. The release of this variety has been motivated by high forage yields when grazed or harvested, and the harvest flexibility allowed by the awnleted trait.

In terms of heading date, height, and general appearance except awn length, 102 is similar to the triticale "Jenkins". 102 is tall, ranging from 125 to 165 cm depending on growing conditions, and late maturing. Winterhardiness of 102 is comparable to that of Jenkins, which is very good compared to other commercial triticale varieties.

Juvenile growth of 102 is prostrate. Leaves are blue-green and upright at booting. Flag leaf at booting is waxy and not twisted. Neck is straight and glabrous to slightly hairy.

Spikes of 102 are waxy, narrow, long, slightly recurved, and predominantly awnleted. Glumes are glabrous, waxy, and light yellow at maturity. Seeds are light red, elliptical, and slightly wrinkled.

102 contains variants with longer awns and a hairier neck than the predominant plant type, and variants with longer awns and tan to light brown glumes. The predominant type has short awns on four to five of the spikelets at the top of the spike (tip-awned), while the lower spikelets are awnless. Variants are fully awned, and have moderately to densely hairy necks (frequency of occurrence is approximately 1 plant per 3500) or tan to light brown glumes (frequency of occurrence is approximately 1 plant per 5000).

Breeder seed will be maintained by periodically increasing the original seed stock under conditions of geographical isolation. Foundation, Registered, and Certified classes of seed will be produced from bulk seed of the preceding class. A PVP certificate has been issued for 102 (No. 9400201) under PVPA as amended in 1994; the option for obligatory certification has not been elected to date, and certified production acreage will not be published. 102 is sold under the TRICAL® brand as TRICAL® 102.