

SUNDERMAN BREEDING, INC.
SUNSTAR SEEDS

Don Sunderman, President

3754 North 2700 East
Twin Falls, Idaho 83301
208/733-0902

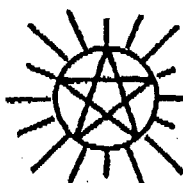
Sunstar 50-30 Application

Item L. Complete description:

Sunstar 50-30 (proposed name) was selected from a multiple cross bulk. The F₄ line resulting in SDM 50030 was selected in 1993.

SDM 50030 is adapted to the irrigated and high rainfall areas of the Pacific Northwest. It may also have a place in California and Colorado. SDM 50030 has been resistant to stripe rust and moderately susceptible to susceptible to leaf rust. SDM 50030 is similar to Penawawa with the exception of the creamy white color of its glumes at maturity, compared with the more yellowish white color of the glumes of Penawawa and Sunstar Promise. It has a middense head compared with the slightly lax head of Sunstar Promise. Seeds of SDM 50030 are slightly longer and less blocky looking than those of Penawawa, although both are considered ovate in shape. Seeds of Sunstar Promise are longer than those of SDM 50030 and vary from ovate to almost elliptical. SDM 50030 will have 2 or less red seeds per pound in Foundation and 4 or less in Registered and Certified seed. SDM 50030 is similar in height, slightly weaker in straw strength and 1 day earlier in heading than Penawawa.

SDM 50030 Has excellent Pastry quality and ranked :
Number 1 for yield among the 47 varieties tested in the Western Regional Yield Nursery (see tables)



SUNDERMAN BREEDING, INC.
SUNSTAR SEEDS

Don Sunderman, President

3754 North 2700 East
Twin Falls, Idaho 83301
208/733-0902

Application for review of varieties for certification

A. Variety Name; Proposed 'Sunstar 50-30'

Temporary Designation: SDM 50030

B Description See Attachment:

C Bot. Description Triticum aestivum L.

Soft White Spring Wheat

Short description- Sunstar 50-30 is a white glumed, awned, soft white spring wheat. It is similar to Penawawa in height, has slightly weaker straw and is 1 day earlier in heading. It has outstanding pastry quality, has been equal to the other varieties in the Idaho yield trials and was ranked number 1 for yield among the 47 varieties tested in the Western Regional spring wheat yield nursery in 1996. It is resistant to stripe rust and moderately susceptible to susceptible to leaf rust.

D See Data

E. Area of Adaption; The western U.S.

F. Variability: Registered and Certified seeds may have up to 4 red seeds per pound. Foundation may have 2 per pound

G. Seed Stock Maintenance: Breeder Seed Will be maintained by Sunderman Breeding Inc. Foundation through Certified will be limited by the regulations of the ICIA with the exception of the red seed variance.

J. Plant Variety Protection will be applied for in 1998.