

L. Summary description of Sunstar Declo.

SDM 215-2 (Proposed name 'Sunstar Declo') originated from a cross of Necley /2*Stephens/2*Berah/ID180. It resulted from the bulk of an F₂ line and placed in yield trials in 1995-96.

Declo is intermediate in height between Promontory and Garland. Declo has erect flag leaves, and green foliage with bloom. The heads are moderately dense and awned. Glume and awn color at maturity are yellowish-light-tan. An occasional brown chaffed plant will be found in the variety. It has better lodging resistance than Promontory. Seed shape is ovate with narrow middeep crease. Chalk shape is rounded. The test weight of Declo is similar to Promontory and roughly 2 pounds per bushel heavier than the other varieties. Sunstar Declo is resistant to the prevalent races of stripe rust.

APPLICATION FOR REVIEW OF VARIETIES FOR CERTIFICATION

Variety name; Proposed 'Declo'

Temporary Designation: SDM215-2

Origin and breeding history; SDM 215-2 resulted from the cross Neeley/*2 Stephens//*2Borah/ID180. Made in 1988. It was selected for yield trials from F₅ head rows in 1995. SDM 215 in the 93-4 yield trials was found to still be segregating for height, and maturity, hence reselection and initial testing of 18 selections from SDM 215 in the 1995-96 yield trials among which was SDM 215-2.

1. Botanical Description; Triticum aestivum L.

2. Objective Description; Hard red Winter Wheat

3. Short Description for Publication; Sunstar Declo is a tannish white glumed, awned, hard red winter wheat. The heads are slightly longer than those of Ute. It is approximately 6 inches taller than Garland and 5 inches shorter than Promontory. It has good resistance to lodging. Heading date has averaged about 2 days later than Promontory and 1 day earlier than Garland. Protein content, and milling and baking quality have been satisfactory.

Evidence Supporting Variety Identity; In addition to the data presented, Sunstar Declo has the following characteristics: flag leaf upright, foliage green, bloom present.

Area of Adaption; Southern Idaho irrigated land.

Variability; An occasional brown chaffed plant may be found in the variety.

Seed Stock Maintenance; Breeder seed will be maintained by Sunstar Breeding. Foundation through Certified will be limited by regulations of the Idaho Crop Improvement Association

Plant variety protection will be applied for at the appropriate time.