

Variety: Monida **PI#:** 483126

Class: Spring Oats

Participants in Release:

Washington State University—Pullman, WA
 Oregon State University—Corvallis, OR
 Montana State University—Bozeman, MT
 University of Idaho—Moscow, ID
 United States Department of Agriculture—ARS*

Release Date: September 1, 1985

Variety Description:

It has been widely tested in Idaho, Montana, and other western states since 1979. Monida is a mid-season, relatively tall spring oat with blue-green foliage and equilateral panicles. Kernels are typically plump and creamy-white in color and similar to Otana.

Monida has a good yield record in experimental trials. It ranked first in yield in the Uniform Northwestern States Oat Nursery over all locations in 1979, 1981, 1982, and 1984, second in yield in 1980, and third in yield in 1983. In all these regional trials it has exceeded all named varieties in average yield with the exception that it was equaled by Border in 1980. Monida is taller than Cayuse and Corbit, but shorter than Otana. The new variety is similar to these earlier oat varieties in lodging resistance based on available data. It is superior to Cayuse, Corbit, and Border in test weight, typically exceeding all commonly grown western oat varieties other than Otana in test weight.

In 70 station-years of testing (1979-84) in irrigated trials in the Uniform Northwestern States Oat Nursery, Monida averaged 138.6 bu/A vs. 129.9 bu/A for Cayuse and 121.1 bu/A for Otana. In these regional irrigated trials test weight averaged 36.1 lbs/bu for Monida vs. 35.0 lbs/bu for Cayuse and 36.9 lbs/bu for Otana. Monida averaged 1.6 inches taller than Cayuse and 2.7 inches shorter than Otana in the regional irrigated trials. Monida averaged one day later than Cayuse and Otana in heading date. In similar regional trials grown at dryland locations of the Uniform Northwestern States Oat Nursery in 1979-84, Monida averaged 91.0 bu/A in 70 station-years of testing vs. 89.6 bu/A for Cayuse and 84.5 bu/A for Otana. In these regional dryland trials, the average test weight for Monida was 35.0 lbs/bu vs. 34.0 for Cayuse and 36.8 for Otana. Monida averaged 2.6 inches taller than Cayuse in the regional dryland trials and 2.0 inches shorter than Otana. As in the irrigated trials, Monida averaged one day later than Cayuse and Otana in heading date on dryland.

Monida is similar to Otana in groat content, but superior to Cayuse, averaging 71.9% in regional irrigated trials vs. 70.0 for Cayuse. It has averaged 17.0% groat protein in limited comparisons in regional trials or about 1 percentage point lower than Cayuse and Otana.

Pedigree:

Monida originated as an F5 selection from a cross of Cayuse/Otana made at Aberdeen, Idaho in 1975. Monida was tested as 75Abl70. It was first tested in replicated trials in Idaho in 1976 and entered in the Uniform Northwestern States Oat Nursery in 1979.

Seed Class:

Breeder Class Seed will be maintained by the Idaho Agricultural Experiment Station and the University of Idaho Foundation Seed Program. Foundation Seed should be requested through the producer's own state Foundation Seed Program or Crop Improvement Association. Registered and Certified classes of seed are available through certified seed dealers. USDA/ARS will have no seed available for distribution.

* primary agency involved in development and release