

## **ADDITIONAL DESCRIPTIVE INFORMATION FOR OAT VARIETIES**

**AJAY** - Developed from the cross of 74Ab1952/74Ab2608 by the Idaho Agricultural Experiment Station, at Aberdeen, in cooperation with the Crops Research Division, USDA. Ajay was released in 1991. Ajay is a short, mid-season maturing variety with shattering resistance. Ajay is better suited to irrigated conditions where lodging is a concern. Kernel appearance is satisfactory but not as good as Otana and Monida.

**CELSIA** - Celsia was developed by Cebeco Zaden B. V. in the Netherlands from the cross Cebeco 7801/ Cebeco 7802 made in 1978. Seed is distributed by Western Plant Breeders in the U. S. Celsia is a white oat whose lemmas are generally awnless but up to 10 percent of the lemmas on the primary floret may have a short black awn. Celsia yields higher than Otana under irrigated conditions, but similar to Otana under dryland conditions. Celsia has lower test weights, is shorter and later in maturity than Otana.

**KILLDEER** - Developed by North Dakota State University and released in 2000. Killdeer is a white oat that is medium in plant height and similar in maturity to Rio Grande. It yields higher than Otana and has test weights similar to Otana.

**MAVERICK** Developed from a cross of 80Ab988 (PI578241)/'Monica' utilizing a modified bulk selection program by USDA-ARS at Aberdeen Idaho. Maverick is a midseason short spring oat with high yields. Juvenile plant growth is erect and immature foliage is blue-green in color. Panicles are equilateral and spreading. Leaf sheath, leaf margins, and culm internodes are glabrous. Kernels of Maverick are typically short to mid-long, plump and white to light cream in color similar to 'Ajay. Maverick is a short, high yielding oat adapted to irrigated and high moisture locations.

**MONICO** Monico is a selection from the cross 83Ab3119/ Monida utilizing a modified bulk selection program. Monico is an early to midseason, relatively tall spring oat with good yield potential and excellent test weight. Juvenile plant growth is erect and immature foliage is blue-green in color. Panicles are equilateral and spreading. Leaf sheath, leaf margins, and culm internodes are glabrous. Kernels of Monico are typically plump, mid-long, creamy- white cream and similar to those of Otana, Cayuse, and Monida. Monico has yields similar to Maverick and Monida with a test weight equal to Otana.

**MONIDA** - Developed from the cross of 'Otana'/'Cayuse' and released in 1984 cooperatively by the Agricultural Research Service, USDA, Idaho, Oregon, Washington and Montana Agricultural Experiment Station. The kernels are creamy-white in color and similar to Otana. Monida has produced high yields in Montana trials. It is superior to Cayuse and Border in test weight and somewhat less than Otana. Monida is susceptible to crown rust and prevalent races of stem rust.

**OTANA** - Developed from a cross of CI5345/'Zanster', cooperatively by the Agricultural Research Service, Idaho and Montana Agricultural Experiment Stations and released in 1976. It is a relatively tall oat with dark or blue green foliage. It has a higher test weight than Cayuse and Park, moderate resistance to lodging and produces plump, short, white kernels.

**PAUL** - Developed from a cross of made in 1984 by the North Dakota Agricultural Experiment Station and released in 1994. Paul is a hulless oat and is significantly lower yielding than hulled oats, Paul has higher test weight, is similar in height, and slightly later in maturity to Otana. Paul is protected under the Plant Variety Protection Act.

**POWELL** - Developed from the cross of 'Cayuse'/'Monida' by the Idaho Agricultural Experiment Station, at Aberdeen, in cooperation with the Crops Research Division, USDA. Powell was released in 1998. Powell has a creamy- white kernel color and blue-green foliage. Straw strength and shattering resistance are both very good. Powell is higher yielding under irrigated conditions but yields the same as Otana under dryland conditions. It has lower test weight, is shorter and later in maturity than Otana.

**PROVENA** - Released in 1998 by the Idaho Agricultural Experiment Station, at Aberdeen, in cooperation with the Crops Research Division, USDA. Provena is from a cross of 'Pennlo'/ PI447276 and has hulless kernels. Provena is lower yielding than Otana, has higher test weight, is later in maturity and shorter than Otana. Under Montana conditions it has yielded better with higher test weights than Paul hulless oats.

**RIO GRANDE** - Developed from the cross of 74Ab2608/'Cayuse' by the Idaho Agricultural Experiment Station, at Aberdeen, in cooperation with the Crops Research Division, USDA. Rio Grande is a sister selection of 'Monida' and was released in 1998. Rio Grande is a yellow-kerneled, medium height, and early maturing oat. Rio Grande yields higher than Otana and has test weights similar to Monida.

**WHITESTONE** - Developed by the North Dakota Agricultural Experiment Station and released in 1994, it is a medium height oat with white kernels. Whitestone is resistant to stem rust and moderately resistant to crown rust. It is one day later in maturity than Otana with slightly lower test weight but is higher yielding than Otana. Whitestone is protected under the Plant Variety Protection Act.