



WILDRICE

maturity, growers should favor varieties of early to medium maturity. For flexibility in harvesting, plant varieties resistant to shattering, disease and lodging.

Varieties

Franklin – Medium height, medium to early maturity. More resistant to shattering than K2, Petrowske Bottlebrush or

Voyager, especially retaining more seed when harvest is delayed. Released 1992 by Minn. AES.

K2 – Medium height, early to medium maturity and medium to high yield. Developed by Kosbau Brothers in 1972.

Petrowske Bottlebrush – Medium height, medium to late maturity and high yield. Up to 50 percent of plants can have bottlebrush panicle type, depending on continued selection for that trait. Developed by K & D Wild Rice.

Petrowske Purple – Moderately high fungal brown spot disease resistance and

yield. High shattering resistance and lodging resistance. Consists of heterogeneous panicle types, most of which have some degree of purple at full flowering. Medium plant height. Medium-late maturity, flowering several days to a week after K2 and Petrowske Bottlebrush. Released 2000 by Minn. AES under a licensing agreement.

Voyager – Short to medium height, early maturity and high yield. Should mature a few days earlier than K2. Developed by Minn. AES, released in 1983.

Cultivated wildrice is grown on about 20,000 acres in Minnesota. Though some wildrice fields are still planted with shattering types most growers use varieties with nonshattering tendencies.

Because of likelihood of preharvest losses due to high winds, storms, blackbird damage and killing frost before varietal

Wildrice Planting Rate and Date

Bushel Weight, Pounds	25
Seeds/Pound.....	7,900
Planting Rate, Pounds/Acre	33
Planting Rate, Seeds Sq. Ft.	6
Planting Date	Late Fall

Yield, shattering, lodging and fungal brown spot (FBS) ratings for wildrice varieties.

Variety	Waskish				Clearbrook			Altkin			98-01 Average			
	Yield, Lb/Acre	Shattering %	Lodging Score	FBS Score	Yield, Lb/Acre	Lodging Score	FBS Score	Yield, Lb/Acre	Lodging Score	FBS Score	Yield, Lb/Acre ¹	Shattering % ²	Lodging Score ³	FBS Score ⁴
Franklin	1,160	23	2.6	5.2	1,870	3.5	3.9	884	2.1	4.5	1,182	23	2.5	4.7
K2	1,261	20	1.8	4.7	1,801	3.0	4.5	846	1.8	4.4	1,219	20	2.0	4.6
Petrowske Bottlebrush	1,093	24	2.4	5.6	2,015	3.5	5.6	569	2.5	6.5	1,075	24	2.6	5.9
Petrowske Purple	1,327	22	1.6	3.9	1,974	2.5	3.5	819	1.4	3.9	1,274	22	1.6	3.8
Voyager	970	25	2.5	5.8	1,248	3.5	4.6	547	2.0	5.6	889	25	2.5	5.4
LSD 5%	202	4	0.4	0.7	613	0.9	0.9	235	0.4	0.8	158	4	0.3	0.5
Years	98-99-00-01	98-99-01	98-99-01	98-99-00-01	00	98	98-00	00-01	99-00-01	99-00-01				

¹ Adjusted to 40% moisture. ² Expressed as a percentage of shattered seed plus grain yield per unit area. ³ Using a 1-5 scale where 1=stems completely erect, 3=stems averaging 45° angle, 5=stems prostrate. ⁴ Fungal Brown Spot rating using a 1-9 scale where 1=no significant disease lesions and 9=completely susceptible (dead).