



Joppa

Durum Wheat

NDSU NORTH DAKOTA STATE UNIVERSITY



Characteristics

Yield	very high
Stem Rust	resistant
Leaf Rust	resistant
Foliar Disease ¹	intermediate
Head Scab ²	MS
Test Weight	high
Overall Quality ³	good

¹ Foliar Disease = reaction to tan spot and septoria leaf spot complex.

² MS = moderately susceptible.

³ Overall Quality is determined based on agronomic, milling and spaghetti processing performance.

Comments

Joppa durum was released in 2013. It has very high yield potential and excellent agronomic traits. Pasta quality characteristics of Joppa include very high dough and gluten strength, high gluten index, and outstanding color. Joppa has medium straw strength and a good disease resistance package. In comparison with Mountrail, the long-standing industry standard variety, Joppa has higher yield and better quality traits. Joppa is named for the renowned USDA durum research geneticist, Dr. Leonard Joppa, who made significant contributions to the improvement of durum wheat quality.

Strengths

- Very high yield
- Good quality
- Excellent gluten strength

Agronomic Performance of Joppa Across ND, SD, MT, MN and Canada 2008-2013

	Joppa	Carpio	Divide	Alkabo	Mountrail	Tioga	Lebsock
Yield (bu/acre)	59.0	56.5	55.1	55.3	57.2	57.3	55.4
Test Weight (lbs/bu)	59.3	59.2	59.4	59.8	58.7	59.4	60.1
Days to Heading	63	64	63	62	63	63	62
Height (inches)	34.3	34.3	34.6	33.1	34.3	35.8	33.1
Lodging ⁴	1.2	1.5	1.1	0.5	1.3	1.0	0.9

⁴Lodging= 0-9 scale, 0 the best and 9 the worst.