

To: Washington State Crop Improvement Association

From: Kurt Braunwart

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Statement of origin and information of value to field inspectors for 099 winter grain triticales

099 winter grain triticales was bred and developed by Resource Seeds, Inc. of Gilroy, California.

Areas of probable use: Eastern Washington, North Central Oregon

Information of value to field inspectors:

- 099 winter grain triticales is an awned variety.
- When 099 winter grain triticales reaches maximum height it is taller than winter wheats grown in the same region but shorter than forage triticales
- Heads are NOT erect at maturity but also are NOT fully drooping and pointing down
- Chaff is an off white to pale tan in color.
- The neck just below the head often has a slight wave
- In the same 1 ½ inches below the head there can be pubescence but not always. Having some pubescent and some clean even occurs on different stools off the same plants.
- 099 winter grain triticales is resistant to the current known strains of stripe rust and is susceptible to snow mold.

Information of value to seed analysts:

- Seed of 099 winter grain triticales has the traditional triticales seed shape (a longer kernel than wheat). Seed of 099 winter grain triticales has the tan color with bronzed overtones often seen in triticales. When compared to 336 winter grain triticales the color of 099 seed is slightly lighter in color.
- Seed size will vary greatly depending on the environment that the seed is grown. Breeders seed of 099 triticales grown in 2007 under irrigation was 42.5 grams/1000 seeds or 10,682 seeds per pound. As comparison 336 winter grain triticales grown under irrigation in 2007 was 44 grams /1000 seeds. When seed is grown in the dry land seed will be smaller.

Procedures for maintaining seed stock and seed classes to be recognized:

- Resource Seeds or their contracted seed producers will produce and maintain Breeders seed and then Foundation seed through the plot refinement method. Plantings of Breeders seed will be made and a portion will be carefully inspected and kept separate at harvest to maintain prime seed. Starting with Foundation seed the program will follow the Crop Improvement method of the state that the seed is being produced in.
- Classes of seed to be recognized are "Breeders" as designated by the breeder and their representatives. (In Washington state that representative is ProGene Plant Research L.L.C.) Foundation, Registered and Certified are also recognized as designated by the Crop Improvement Association for the state where the seed was produced.