

To: Washington State Crop Improvement Association

From: Kurt Braunwart

June 24, 2009

Statement of origin and information of value to field inspectors for 183,05 Oat:

183,05 Oat was bred by Keith Armstrong of Plant and Food Research, Christchurch, New Zealand.

Areas of probably adaptability: Where ever spring oats are grown in the US.

Information of value to field inspectors:

- 183,05 oat has a traditional panicle similar to Monida.
- Seed husk in the panicle has a slight silvering color when it starts to enter the soft dough stage.
- Plant growth characteristics are similar to Monida in growth habit but will average 10% shorter at fully headed height.
- 183,05 oat will average 2 days later to head out and to reach the soft dough stage of maturity than Monida oat.
- 183,05 in multi year replicated comparison trials is clearly less prone to lodge than Monida.

Information of value to seed analysts:

- Seed of 183,05 oat are off white in color.
- Seed of 183,05 oat have traditional oat shape.

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

- ProGene Plant Research L.L.C. has received from Plant & Food Research pre-Breeders seed. ProGene has increased and will maintain Bbreeders seed through 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 representative in North America (ProGene Plant Research L.L.C.), Foundation, Registered and Certified as designated by the Crop Improvement Association for the state where the seed was produced.

Robinson, Jerry

From: Keith Armstrong [Keith.Armstrong@plantandfood.co.nz]
Sent: Thursday, August 13, 2009 6:24 PM
To: Robinson, Jerry; ProGene; WSCIA Certification
Subject: RE: 183,05 oat variant determination
Attachments: Text.htm; ATT5179615.dat

Dear Jerry

Confirming the variant details of 183,05 a white grain, and awnless type oat submitted by Kurt Braunwart of ProGene Plant Research L.L.C.

The variants (frequency of less than 1%)

- 1) white grain, with awn, and taller plant type
- 2) white grain, with bent awn, and taller plant type.

Best wishes
Keith

Keith Armstrong
Plant Breeder (oat grain & forage)

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>>> "Robinson, Jerry" <jrobinson@wsu.edu> 8/08/2009 3:25 a.m. >>>
Thanks Kurt,

We will move forward on certification for this - I do need a "official" document from Keith stating these variants. An electronic copy would work fine - we can then put it into the official variety description file for 183,05 Oat.

Thanks
Jerry

-----Original Message-----