

# **SMALL GRAIN SEED** **CERTIFICATION STANDARDS(1988)**

## **I. Application and Amplification of General Certification Standards**

- A. The General Seed Certification Standards as adopted by the association are basic and together with the following specific standards constitute the standards for certification of small grains.
- B. The Certification of seeds will be limited to a maximum of two (2) generations from foundation seed.

## **II. Land Requirements**

The producer may grow only one variety of the crop per farm except upon prior approval of the certifying agency. This means that he could grow and certify only one variety of wheat, of oats, of barley and of rye.

Fields of which small grain is to be produced for certification shall not have had any other variety of small grain grown on them the previous small grain crop year unless the previous crop was grown from certified seed of the same variety.

## **III. Field Inspections**

- A. A field inspection shall be made after the crop is fully headed, but before harvest.

## **IV. Field Standards**

- A. General
  - 1. Unit Certification

The field shall be considered the unit for certification and a field cannot be divided for the purpose of certification. A strip of ground at least 6 foot minimum and which is either mowed, uncropped, or planted to some crop other than small grain shall constitute a field boundary for the purpose of these standards.
  - 2. Isolation

Isolation necessary on oats, wheat and barley is a minimum of six feet. All rye fields used for the production of Foundation, Registered or Certified seed must be isolated by a minimum of 660 feet from any other variety of rye.  
All triticale fields used for the production of Foundation, Registered or Certified seed must be isolated 660 feet from any other variety of triticale, except where outcrossing has demonstrated not to be a problem.

B. Specific Requirements

<u>Factor</u>	<u>Maximum permitted in each class (heads/thousand)</u>		
	<u>Foundation</u>	<u>Registered</u>	<u>Certified</u>
*Other Varieties	0	1 : 250,000	1 : 150,000
**Inseparable Other Crops	None	1 : 250,000	1 : 150,000
Objectionable Weeds whose seeds are inseparable	None	None	None
Chemically Controllable seedborne Diseases	None or treatment of seed required	0.5%	0.5%

\*Other varieties shall be considered to include heads that can be differentiated from the variety that is being inspected.

\*\*Inseparable other crops shall include crop plants the seed of which cannot be thoroughly removed by the usual methods of cleaning. Rye in winter wheat and barley in oats are well known examples. Note: In the case of rye in other small grain – two plants permitted in registered and five in certified.

V. Seed Standards

WHEAT AND BARLEY SEED STANDARDS

<u>Factor</u>	<u>Foundation</u>	<u>Standards in Each Class</u>	
		<u>Registered</u>	<u>Certified</u>
Pure Seed (Min.)	98%	98%	98%
Inert Matter (Max.)	2%	2%	2%
Other Varieties (Max.)	None	1 per lb.	10 per lb.
(1) (2) Other Crop (Max.)	None	2 per lb.	5 per lb.
Noxious weeds	None	None	None
Objectionable Weeds (3)	None	None	None
Common Weeds	None	5 per lb.	10 per lb.
Germination (Min.)	80%	85%	85%
Moisture (Max.)	12%	12%	12%

(1) Rye in other small grains – one permitted in registered (tag to show if in the lot) and three in certified.

(2) (3) – Vetch – None Permitted

RYE SEED STANDARDS

<u>Factor</u>	<u>Foundation</u>	<u>Standards in Each Class</u>	
		<u>Registered</u>	<u>Certified</u>
Pure Seed (Min.)	98%	98%	98%
Inert Matter (Max.)	2%	2%	2%
Other Varieties (Max.)	None	1 per lb.	10 per lb.
Other Crop (Max.)	None	2 per lb.	5 per lb.
Noxious Weeds	None	None	None
Objectionable Weeds	None	None	None
Common Weeds	None	5 per lb.	10 per lb.
Germination (Min.)	75%	75%	75%
Moisture (Max.)	12%	12%	12%

(1) (2) – Vetch – none permitted

OAT SEED STANDARDS

<u>Factor</u>	<u>Foundation</u>	<u>Standards in Each Class</u>	
		<u>Registered</u>	<u>Certified</u>
Pure Seed (Min.)	98%	98%	98%
Inert Matter (Max.)	2%	2%	2%
Other Varieties (Max.)	None	1 per lb.	10 per lb.
Other Oats*	50	50	50
Off-Type Seed/Fatuoids (Max.)	10 per lb.	25 per lb.	45 per lb.
(2) Other Crop (Max.)	None	2 per lb.	5 per lb.
Noxious Weeds	None	None	None
Objectionable Weeds	None	None	None
Common Weeds	None	5 per lb.	10 per lb.
Germination (Min.)	80%	85%	85%
Moisture (Max.)	12%	12%	12%

(1) Rye in other Small Grain – one permitted in registered (tag to show if in the lot) and three in certified.

(2) (3) Vetch - none permitted

\*Oats that vary from the variety description by color type as determined by seed characteristics and confirmed by the fluorescence test, will be permitted up to 50 per pound in all classes.

TRITICALE SEED STANDARDS

<u>Factor</u>	<u>Standards in Each Class</u>		
	<u>Foundation</u>	<u>Registered</u>	<u>Certified</u>
Pure Seed (Min.)	90%	96%	96%
Inert Matter (Max.)	10%	4%	4%
Other Varieties (Max.)	None	1 per lb.	10 per lb.
(1) (2) Other Crop (Max.)	None	2 per lb.	5 per lb.
Noxious Weeds	None	None	None
(3) Objectionable Weeds	None	None	None
Common Weeds	None	5 per lb.	10 per lb.
Germination (Min.)	80%	80%	80%
Moisture (Max.)	12%	12%	12%

(1) Rye in other Small Grain – one permitted in registered (tag to show if in the lot) and three in certified.

(2) (3) Vetch – none permitted

## INSTRUCTIONS & PROCEDURES

1. Seed house or Bin Inspection of Seed:

Seed should be so handled as to prevent mixture and maintain identity.

2. Small Grain Treatment:

- a. Recommend all certified small grain seed be treated with a fungicide for control of seedborne diseases and insects.
- b. All certified small grain seed to be treated with an insecticide at the recommended rate provided the material used would not prevent seed from being used for feed or oil.