

Virginia Department of Transportation

Specifications for Standard and Non-Standard Seed Items

ALSO KNOW AS THE RD-4 LIST

(updated July 2006)

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I. Botanical and Common Name Listing of Approved Species and Cultivars

Botanical Name	Common Name
* <i>Boueloua gracilis</i>	Blue Grama
<i>Coronilla varia</i>	Crownvetch
** <i>Cynodon dactylon</i>	Bermudagrass
<i>Dactylis glomerata</i>	Orchardgrass
<i>Eragrostis curruila</i>	Weeping Lovegrass
* <i>Festuca arundinacea</i>	Tall Fescue
* <i>Festuca longifolia</i>	Fine Hard Fescue
* <i>Festuca ovina</i>	Fine Sheep Fescue
* <i>Festuca rubra</i> ssp. <i>commutata</i>	Fine Chewings Fescue
* <i>Festuca rubra</i> ssp. <i>rubra</i>	Fine Creeping Red Fescue
<i>Hordeum vulgare</i>	Barley
<i>Lathyrus latifolius</i>	Flat Pea
<i>Lathyrus sylvestris</i>	Sweet Pea
<i>Lepedeza cuneata</i>	Serecia Lespedeza
<i>Lolium multiflorum</i>	Annual Ryegrass
<i>Lotus corniculatus</i>	Birdsfoot Trefoil
<i>Paspalum notatum</i>	Bahiagrass
* <i>Poa pratensis</i>	Kentucky Bluegrass
<i>Secale cereale</i>	Rye (Winter Rye)
<i>Setaria italica</i>	Foxtail Millet (German)
<i>Triticum aestivum</i>	Wheat
<i>Trifolium repens</i>	White Dutch Clover
* <i>Zoysia japonica</i>	Zoysiagrass

*Certified Seed Required ** Certified required for the named cultivars but the common type is not required to be certified

Kind of Plant and Cultivar		Percent (%)			
		Min. Pure Seed	Min. Germ	Min. Germ Plus Hard Seed	Weed Seed not to Exceed
Limitations Apply to all Seed (1)					
Fine Hard Fescue Cultivars:		98	85	--	0.25
Attila	Nordic				
Aurora Gold	Reliant II				
Brigade	Rescue 911				
Chariot	Scaldis				
Discovery	Scaldis II				
Minotaur	SR 3100				
	Vernon				
Fine Creeping Red Fescue Cultivars:		98	85	--	0.25
Bargena III	Jasper II				
Cindy	Shademark				
Navigator	Shademaster II				
Jasper					
Fine Chewings Fescue Cultivars:		98	85	--	0.25
Bridgeport	Sandpiper				
Banner III	Shadow II				
Brittany	SR 5100				
Cascade	Tiffany				
Intrigue	Treasure				
K-2					
Fine Sheep Fescue Cultivars:		98	85	--	0.25
Azure Blue					
Bighorn					
Quatro					
Orchardgrass Cultivar: (2)		90	85	--	0.50
Potomac					
Warm Season Grasses (plant only in the late spring or early summer)					
Bermudagrass Cultivars:					
Common bermudagrass (3)					
<i>Plant in Coastal Plain Region, Only</i>		98	85	--	0.25
Del Sol					
<i>Plant in Piedmont Region, Only</i>					
Sahara	Yukon				
Savannah					

Kind of Plant and Cultivar		Percent (%)			
		Min. Pure Seed	Min. Germ	Min. Germ Plus Hard Seed	Weed Seed not to Exceed
<i>Limitations Apply to all Seed (1)</i>					
Blue Grama Cultivar:		98	85	--	0.25
Hachita					
Weeping Lovegrass		98	85	--	0.25
Zoysiagrass Cultivars:		98	85	--	0.25
<i>Plant in Coastal Plain Region, Only</i>					
Cathay					
Zen 300					
Zenith					
Grasses or Cereals used as Companion or Temporary Seeding					
Annual Ryegrass		98	90	--	0.25
Foxtail Millet (German)		98	85	--	0.25
Barley		98	85	--	0.25
Cereal (Winter) Rye Cultivars:		98	85	--	0.25
Abruzzi					
Balboa					
Wheat		98	85	--	0.25
Legumes <i>(All seed must be inoculated with appropriate strain and rate of bacteria. For hydraulic seeding, use a minimum of five times the dry seeding rate of inoculant.)</i>					
Birdsfoot Trefoil Cultivars:		98	60	80	0.50
AuDewey					
Empire					
Norecen					
Crownvetch Cultivars:		98	36	71	0.25
Chemung					
Emerald					
Penngift					
Flat Pea		99	38	75	0.25
Sweet Pea		99	38	75	0.25
Sericea lespedeza (3)		98	40	75	0.50

(1) Limitations apply to all seed.

a. Restricted Noxious Weed seeds = Same as VA Seed Law

b. Prohibited Noxious Weed seeds = Same as Na Seed Law

c. Lawn & Turf Rest. Noxious = 10 per ounce or 160 per pound

(2) Virginia origin or approved cultivars.

(3) Spring / Summer plantings use Hulled seed, Fall plantings use Unhulled seed

Note: The removal of several cultivars from the list this does not invalidate any seed that was inspected by VDOT and GREEN TAGGED prior to the issuance of the updates listings.

III. SPECIFICATIONS FOR NON-STANDARD SEED ITEMS

Limitations: Restricted noxious weed seeds shall be the same as the Virginia seed law.
Prohibited noxious weed seeds shall be the same as the Virginia seed law.
Overall weed seed percentage shall not exceed the limits specified in the Virginia seed law.

Seeds shall be measured on a Pure Live Seed basis [PLS]. A germination test will be performed on a sample if an industry standard exists or a Tetrazolium Chloride or TZ test may be performed to verify seed viability.

IV. SAMPLING PROCEDURES

A. Virginia Supplier

1. The supplier, prior to shipment, shall have the Virginia Department of Agricultural and Consumer Services seed inspector for the area draw samples for testing on all seed lots intended for purchase order deliveries to the Virginia Department of Transportation.
2. All seed lots shall be properly labeled and clearly identified by a lot number prior to sampling by the Virginia Department of Agriculture and Consumer Services seed inspector. The purchase order number, if known, shall be given to the inspector and shown on the test reports.
3. Test results on such samples will be reported to the Virginia Department of Transportation and to the supplier by the Virginia Department of Agriculture and Consumer Services.
4. Seed will not be accepted at any VDOT facility for delivery until the test results have been received and the seed is found to conform to the Virginia Seed Law, and the Virginia Department of Transportation's RD-4 seed specifications and bear a valid green tag. Seed in open bags, seed bags that do not have an attached and valid Green Tag, or bags with expired green tags will not be accepted.

B. Out-Of-State Suppliers

- 1.** Seed will not be accepted for delivery until seed lots have been found to meet the Virginia Department of Transportation's seed specifications and bear the green tag.
- 2.** At the time of shipment, the Virginia Department of Agriculture and Consumer Services, Seed Laboratory, One North 14th Street, Room 238, Telephone – (804) -786-8795, Richmond, Virginia, 23219, shall be notified.
At the point of delivery to a non-VDOT facility, all lots will be subject to sampling and testing by the Virginia Department of Agriculture and Consumer Services. Seed will not be accepted at any VDOT facility for delivery until the test results have been received and the seed is found to conform to the Virginia Seed Law, and the Virginia Department of Transportation's RD-4 seed specifications and bear a valid green tag. Seed in open bags or bags with expired green tags will not be accepted.
- 3.** The results of tests by the Virginia Department of Agriculture and Consumer Services will take precedence over tests performed by others. All seeds are subject to sampling and testing by the Virginia Department of Agriculture and Consumer Services and/or certified VDOT personnel whose decision shall be final. Seed tests shall have been completed within a 9-month period, exclusive of the calendar month in which the test was completed, prior to the delivery date.
- 4.** The labels and seed(s) must conform to these specifications and all Federal and State laws, rules and regulations. No prohibited noxious-weed seeds, as defined by the rules and regulations adopted for enforcement of the Virginia Seed Laws, will be permitted; i.e., Canada Thistle, Field Bindweed, Quackgrass, Johnsongrass, Plumeless Thistle, etc. Restricted noxious-weed seeds shall not exceed the number per ounce or per pound of such noxious-weed seeds specified in such rules and regulations.

SEED SAMPLE REPORT

FOR SEED SAMPLED OUT OF VIRGINIA FOR USE BY
THE VIRGINIA DEPARTMENT OF TRANSPORTATION

Kind and Variety of Seed: _____

Lot Number: _____

Control Number (supplied by compliance official) _____

Number of Bags Represented by the Sample: _____ Weight per Bag: _____

Number of Bags Sampled: _____ Pounds Represented by the Sample: _____

Shipper-s Name: _____

Complete Mailing Address: _____

Shipper (s) Telephone Number: _____

Virginia Receiver (s) Name: _____

Complete Mailing Address: _____

I _____, as an employee of the _____, State _____,
Compliance Official's Name Seed Enforcement Agency

certify that I have sampled the above represented seed lot using sampling procedures approved by the Association of Official Seed Analysts or the Seed Control Official of my state and have personally sealed the sample for shipment to the Virginia Department of Agriculture & Consumer Services= Seed Laboratory.

Attach Seed Label Here:

Signature of Compliance Official

Title

IT IS THE POLICY OF THE VDACS SEED LABORATORY TO USE AOSA TESTING PROCEDURES AND NOT TO PROVIDE TEST RESULTS THAT MIGHT VIOLATE THE RIGHTS OF ANY UTILITY PATENT HOLDER OR THE RIGHTS OF ANY CERTIFICATE OWNER PROTECTED UNDER THE U. S. PLANT VARIETY PROTECTION ACT.

I HAVE READ AND UNDERSTAND THE INFORMATION PRESENTED ON THIS SAMPLE REQUEST FORM. I UNDERSTAND THAT I WILL BE RESPONSIBLE FOR ALL CHARGES FOR THE REQUESTED TEST.

SHIPPER'S SIGNATURE

DATE