





Help Us Help You -Problem in Turf ⁶ Why did my seed not come 1 up? Weeds, Disease, thinning, 7 Why save seed tags? 2 etc. 3 Photos sent via email or What is wrong? 8 text - often 3rd party What is this weed, disease, 4 issue? Info we need to help solve 5 problem

3

Lets Start First Questions for ID of Problem

- Species of Turfgrass planted and/or there previously
- Where are you located
- When planting occurred
- Soil Type Soil Test if possible
- Weather at time of planting or recent weather (disease ID)
- Rainfall or irrigation (water quality)
- Management fertilizer, mowing frequency and height, was previous turf sprayed out multiple times (soil disturbed?)
- Photo of tag (allows tracking lots, species, cultivars, weeds)
- High resolution photos of turf and weeds. Broadleaf, grass or sedge. When appeared?

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What not to do

Weed ID – Broadleaf, Grass or Sedge

- 1. Broadleaf Weeds
 - Two leaf seedling (Dicot)
 - · Leaves have central vein and branch off
 - Central tap root or fibrous (can have stolons, etc.)
 - Annual or perennial easier to control
- 2. Grass Weeds
 - One leaf seedling (monocot)
 - Straight veins in leaves
 - Hollow stems with nodes flat or rolled
 - Fibrous roots (can have stolons/rhizomes)
 - Annual or perennial Grass out of grass harder to control
- 3. Sedges
 - One leaf seedling
 - Solid triangular stems (sedges have edges)
 - · Can look like grass

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High Quality Tall Fescue/ KBG Mixture			
Things to look for			
Cultivars specified			
 Data available in recent NTEP or other trials 	TROPHY XRE TURFGRASS MIXTURE Purity Variety/Kind	Germination	Origin
High Germination	37.39% CROSSFIRE 4 TALL FESCUE	94%	OR
Low Crop and Weed	33.41% FOXHOUND TALL FESCUE 23.65% GARRISON TALL FESCUE 04.91% FIELDER KENTUCKY BLUEGRASS	93% 94% 90%	OR OR OR
No Noxious weeds	00.05% Other Crop Seed 00.59% Inert Matter 00.00% Other Weeds	Test Date: 08,	
	Noxious Weed Seeds: None Found Net W	t. 50 LB (22.	68 KG)
	DLF PO BOX 229 HALSEY, OR 97348 Lot No.	L20M-22	амs 68 - 4265

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What does this tag tell me??			
1. Mixture/Seed Variety Names/Purity			
2. Other Crop Seed	TROPHY XRE		
3. Inert Matter	TURFGRASS MIXTURE Purity Variety/Kind	Germination	Origin
4. Other Weed Seeds	37.39% CROSSFIRE 4 TALL FESCUE	94%	OR
5. Noxious Weeds	33.41% FOXHOUND TALL FESCUE	93%	OR
6. Lot Number	23.65% GARRISON TALL FESCUE 04.91% FIELDER KENTUCKY BLUEGRAS	94% S 90%	OR OR
7. Net Weight of Bag	00.05% Other Crop Seed		
3. Germination Rate	00.59% Inert Matter 00.00% Other Weeds Test Date: 08/20		3/2022
9. Place of Origin	Noxious Weed Seeds: None Found Net	Wt. 50 LB (22.	68 KG)
10. Test Date	DLF		AMS 68
1. AMS Number	PO BOX 229 HALSEY, OR 97348 Lot N	o. L20M-22	-4265
12. Name and Address of Producer			





3. Inert Matter					
Anything that has escaped the cleaning pro added to the seed, all matter that is not see		TROPHY XRE			
I.e. stems, broken seeds, stones, florets		Purity Variety/Kind		Germination	Origin
If seed is coated, all of the enhancements the inert matter category. Ask what coating		37.39% CROSSFIRE 4 TALL FES 33.41% FOXHOUND TALL FESC 23.65% GARRISON TALL FESC 04.91% FIELDER KENTUCKY BI	CUE UE	94% 93% 94% 90%	OR OR OR OR
LANDSCAPER 40 PRODUCT NO. 2 GRASS SEED MIXTURE Purity Variety/Kind Germination 13.68% eNTUCKY BLUEGRASS+ 80%		00.05% Other Crop Seed →00.59% Inert Matter 00.00% Other Weeds Noxious Weed Seeds: None Found		Test Date: 08 50 LB (22.0	
12.33% RED FESCUE, CREEPING TYPE+ 85% 09.57% MCKINLEY ANNUAL RYEGRASS 90% 07.73% ZOOM PERENNIAL RYEGRASS 90% 03.06% SELWAY KENTUCKY BLUEGRASS 85% 0.0.0% Other Crop Seed		DLF PO BOX 229 HALSEY, OR 97348			AMS 68
Council and Constants Software Weeds Inner contains Software Weeds Inner contains Software Network Council and Control Co	STATED he				









8. Germination Rate	TROPHY XRE	8
Will be listed for each variety on label	Purity Variety/Kind	Germination Origi
This % reflects number that germinated in a lab	37.39% CROSSFIRE 4 TALL FE 33.41% FOXHOUND TALL FEST	
under ideal conditions during testing	23.65% GARRISON TALL FESC	
Can be used to determine PLS	04.91% FIELDER KENTUCKY B	LUEGRASS 90% OR
	00.05% Other Crop Seed 00.59% Inert Matter	
PLS is % of a quantity of seed that will germ	00.00% Other Weeds	Test Date: 08/2022
Purtity % X Germination (Average)	Noxious Weed Seeds: None Found	Net Wt. 50 LB (22.68 KG
99.36 X 93 = 9,240	DLF	AMS 68
9,240 / 100 = 92%	PO BOX 229 HALSEY, OR 97348	Lot No. L20M-22-4265

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What does this tag tell me??

10. Test Date

- The date that the seed purity and germ rate were tested.
- Different states have varying months this test is good for.
- Seed lots can be retested for germination
- Properly stored seed maintains germination for minimum of 3 to 6 years depending on species

TROPHY XRE

TURFGRASS MIXTURE				
Purity Variety/Kind		Germination	Origin	
37.39% CROSSFIRE 4 TALL FE	SCUE	94%	OR	
33.41% FOXHOUND TALL FESC	UE	93%	OR	
23.65% GARRISON TALL FESC	JE	94%	OR	
04.91% FIELDER KENTUCKY B	LUEGRASS	90 %	OR	10.
00.05% Other Crop Seed 00.59% Inert Matter 00.00% Other Weeds Noxious Weed Seeds: None Found		Test Date: 08 . 50 LB (22.0		/
DLF PO BOX 229 HALSEY, OR 97348	Lot No.	L20M-22-	амs 68 • 4265	

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20











Undesirable Grass Seed - UGS

- Bentgrasses- Agrostis spp.
- Bermudagrasses Cynodon spp.
- Annual bluegrass Poa annua
- Rough bluegrass Poa trivialis
- Meadow Fescue Schedonorus pratensis (Festuca pratensis)
- Tall Fescue Schedonorus arundinaceus(Festuca arundinacea)
- Orchardgrass Dactylis glomerata
- Redtop Agrostis gigantea
- Timothy Phleum pratense
- Velvetgrass Holcus lanatus

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Identification of Grass Weeds

- More difficult than broadleaf weeds
- Standard taxonomic texts depend on seedheads Vegetative differences much harder
- Key characteristics for ID need high quality photos at high magnification
 - Ligule size, shape, hairs, etc.
 - Vernation Rolled or folded in bud
 - Auricles Presence and size (clasping?)
 - Collar- Continuous, Divided, twisted
 - Sheath Split, fused
 - Growth habit Bunch, rhizomes, stolons (May not see on young plants)
 - Leaf tip pointed, boat shaped
- Hairy, rough leaf surface
- · Many potential grass weeds not in Vegetative Keys

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Examples : Perennial Grasses with hard ID

- · Quackgrass -clasping auricles. Quackgrass can be distinguished from annual ryegrass (Lolium multiflorum) by rhizomes. Quackgrass rolled vernation (like annual ryegrass) and a short, membranous ligule. Lower sheaths are often hairy while upper sheaths are usually smooth. Leaves are an ashy, blue-green color. Are very thick and sometimes have a longitudinal twist. Tall fescue also has auricles.
- Smooth brome Perennial, two to three feet tall. Hairless, vertical stem. Conspicuous M- or W-shaped constriction on blade (V-neck sweater). Downy brome - annual, hairs on stem.



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34

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33

Help us Help You

- Broadleaf or grass weed
- Did you remove existing weeds (especially perennials with rhizomes) or turf?
- If soil disturbed did you wait until weeds had germinated and kill again?
- Did you use herbicide like Tenacity as preemergent?
- Did you plant at time of year and with enough seed that turfgrass could rapidly compete?
- Did you keep a copy or photo of the label so the lot can be traced?
- Did you pay for high quality grass seed (no or low crop or weed)?

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