

Serio, Melissa

From: Serio, Melissa
Sent: Wednesday, March 10, 2021 2:31 PM
To: Nixon, Scott; Meyer, Brian R; Hoskins, Jenny; Skogerboe, Dustin; Gelhaus, Roy; Loecher, Ron; Howe, Kenneth; Bishop, Darwin; Herbst, Dean; Olson, Steve; Redmond, Daniel; Dorsett, David; Smith, Brian; Webb, James; Giarmo, Lauren; Finarty, Liz; Alvarez, Danielle; Abu Afifeh, Ahmad; Holak, Hugh; Abuissa, Newman; Staebler, Steven; Wilkinson, Cedric
Cc: Musgrove, Wes; Merryman, Kevin; Buchwald, Donna; Godbold, Seana; Pohlen, Nathan
Subject: Perennial ryegrass germination issues - Urban mixes

Please forward to the appropriate construction staff in your office for their information and use.

Seed suppliers have informed us that due to harsher weather during the growing season, there have been impacts to the germination percentages for some Perennial Ryegrass varieties. This seed type is found in our Urban permanent and stabilizing mixes. Section 4169 requires a minimum germination percentage of 90% for Perennial Ryegrass. Suppliers have let us know that they are encountering germination percentages in the 80's.

Materials IM 469.02 states:

If the seed does not comply with minimum requirements for purity and germination, and such seed cannot be obtained, the Engineer may approve use of the seed on a basis of pure live seed (Germination times Purity equals Pure Live Seed) or may authorize a suitable substitution for the seed specified.

Roadside Development and I recommend if you encounter this on your project that the seed be approved on the basis of Pure Live Seed.

Bulk lbs. per acre = Pure Live Seed per acre / (Purity % x Germination %).

So for a turf-type variety of Perennial Ryegrass, this means that 17.1 lbs. of Pure Live Seed should be applied per acre (20 bulk lbs. per acre according to Section 2601 x 0.95 min. purity per Section 4169 x 0.90 min. germination per Section 4169).

If you have any project specific questions that come up, please let Nathan Pohlen from Roadside Development or me know.

Thanks,
Melissa



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