

SUDAS Revision Submittal Form

Status Date: As of 11/7/2022 **Topic:** Seeding updates
Manual: Specifications **Manual Location:** Section 9010, 2.02, B, Table 9010.07 and 2.07, B, 2 and 3

Requested Revision:

2.02 SEED MIXTURES AND SEEDING DATES

- B. Type 2 (Permanent Cool Season Mixture for Slopes and Ditches):** Not typically mowed. Reaches a maximum height of 2 to 3 feet, low fertility requirements, grows in the spring and fall, and can go dormant in the summer. Use between March 1 and May 31 and between August 10 and September 30.

Table 9010.07: Type 2 Seed Mixture

Common Name	Application Rate lb/acre
Fawn Tall fescue ¹	100
Kentucky bluegrass	20
Ryegrass, perennial ²	75

¹ Use endophyte free cultivars including Fawn, K-31, or a combination.

² Use cultivars including Linn, Amazon, Noriea, or Nui, or a combination.

... 2.07 MULCH

B. For Hydraulic Seeding:

2. Bonded Fiber Matrix (BFM):
 - a. Manufactured to be applied hydraulically.
 - b. Dyed ~~green~~ to facilitate visual metering.
 - c. All components pre-packaged by manufacturer to ensure material performance and compliance. Field mixing of additives or any components will not be allowed.
 - d. Meet the following requirements:
 - 1) Contain non-toxic tackifiers that upon drying become insoluble and non-dispersible to eliminate direct raindrop impact on soil according to ASTM D 7101 and EPA 2021.0-1.
 - 2) Contain no germination or growth inhibiting factors and do not form a water-resistant crust that can inhibit plant growth.
 - 3) Hydraulic mulch that is completely photo-degradable or biodegradable.
 - 4) ~~Contain a minimum of 90% organic material according to ASTM D 2974.~~
 - 5) Have a rainfall event (R-factor) of $140 < R$ according to ASTM D 6459.
 - 6) Have a cover factor of $C \leq 0.03$ according to ASTM D 6459.
 - 7) Vegetation Establishment of 400% minimum according to ASTM D 7322.
 - 8) Water Holding Capacity 600% minimum according to ASTM D 7367.
3. Mechanically-Bonded Fiber Matrix (MBFM):
 - a. Manufactured to be applied hydraulically.
 - b. Dyed ~~green~~ to facilitate visual metering.
 - c. All components pre-packaged by manufacturer to ensure material performance and compliance. Field mixing of additives or any components will not be allowed.

- d. Meet the following requirements:
- 1) Contain non-toxic tackifiers that upon drying become insoluble and non-dispersible to eliminate direct raindrop impact on soil according to ASTM D 7101 and EPA 2021.0-1.
 - 2) Contain no germination or growth inhibiting factors and do not form a water-resistant crust that can inhibit plant growth.
 - 3) Hydraulic mulch that is completely photo-degradable or biodegradable.
 - 4) ~~Contain a minimum of 90% organic material according to ASTM D 2974.~~
 - 5) Have a rainfall event (R-factor) of $175 \leq R < 162$ according to ASTM D 6459.
 - 6) Have a cover factor of $C \leq 0.01$ according to ASTM D 6459.
 - 7) Vegetation establishment of 500% minimum according to ASTM D 7322.
 - 8) Water holding capacity of 700% minimum according to ASTM D 7367.

Reason for Revision: To match Iowa DOT due to limited supplies of certain seed.

Comments: None.

District:	<input checked="" type="checkbox"/> 1	<input checked="" type="checkbox"/> 2	<input checked="" type="checkbox"/> 3	<input checked="" type="checkbox"/> 4	<input type="checkbox"/> 5	<input checked="" type="checkbox"/> 6
Comments:	None.					
Action:	<input type="checkbox"/> Deferred		<input type="checkbox"/> Not Approved		<input checked="" type="checkbox"/> Approved	

District:	<input type="checkbox"/> 1	<input type="checkbox"/> 2	<input type="checkbox"/> 3	<input type="checkbox"/> 4	<input checked="" type="checkbox"/> 5	<input type="checkbox"/> 6
Comments:	Leave in the 90% organic material requirement above. <i>Note - other districts and DOT approved language as proposed; did not change.</i>					
Action:	<input type="checkbox"/> Deferred		<input type="checkbox"/> Not Approved		<input checked="" type="checkbox"/> Approved	

Final District Action Summary: All 6 districts approved; see comments above.

Board of Directors Action: Approved.