

Culbac® SEED TREATMENT

BENEFITS TURFGRASS

Improved shoot growth. Grass grown from Culbac®-treated seeds average 56% longer shoot lengths than untreated controls.¹



Earlier emergence.³ Culbac® Seed Treatments can speed up emergence by several days, thereby enabling newly-seeded areas to get greener faster.



Stimulation of beneficial microbes in the rhizosphere.²

The fermentation metabolites in Culbac® Seed Treatments boost the populations of native microorganisms that are essential for converting soil nutrients into forms that can be readily utilized by the seedlings.



Greater root mass development.

In a greenhouse trial, grass grown from Culbac®-treated seed produced an average of 59% more root mass than untreated controls.³

Culbac® Seed Treatments for grass include **Culbac® Plant Solution**, our original biostimulant, and **Culbac® Commercial Seed Treatment**, which is fortified with essential micronutrients. Both products are liquid with an optimal rate of 4 fluid ounces per 50 lbs. of grass seed and can be applied to both cool-and warm-season grasses.



References

¹ Asghari, Mansour (1988) Root and Shoot Measurements of Tall Fescue at 11 and 35 Days After Planting, Hulsey Seed Laboratory, Decatur, GA, (TA11); ² Hadfield, Lamont (1974) Effect of Culbac Nutrients on N₂ Fixation, Brigham University, Provo, UT, (TA276); ³ — (2004) Culbac Greenhouse Trial Report – Pencross Turfgrass, Cedar Rapids, IA, (TA282).

TRANSAGRA

INTERNATIONAL INC.

LP-02-001 REV 6-19

Naturally Effective Solutions

101 Gilbert Street, PO Box 68, Storm Lake, Iowa 50588 | 800-238-6075 | TransAgra.com