

# Culbac® SEED TREATMENT

BENEFITS SEEDLINGS



### Enhanced resistance to environmental stress.<sup>2</sup>

Vigorous seedlings are better able to withstand unfavorable weather, cool soil conditions or pest attacks.

### Greater root mass development.<sup>3</sup>

A bigger root system enables crops to produce bigger yields!



**Improved emergence.<sup>1</sup>** Whether planting seeds with a poor germination rate or in less-than-ideal conditions, Culbac® Seed Treatments will increase sprouting success.



### Stimulation of beneficial microbes in the rhizosphere.<sup>4</sup>

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 plant.

Culbac® Seed Treatments include a liquid product, **Culbac® Commercial Seed Treatment**, and a dry soy based product, **Culbac® Dry Seed Treatment Plus**. Recommended application rates for both products range from 1 – 4 ounces per 50 lbs. of seed, depending on seed type. Culbac® Seed Treatments are compatible with other pesticide and nutritive seed treatments.



### References

<sup>1</sup> Sharples, George (1976) Effect of Culbac/Plant Treatment on Tomato Seed Germination & Seedling Growth, University of Arizona, Mesa, AZ, (TA5); Crowley, George (1978) Crop Response of Cantaloupe to Seed Treating and Foliar Applications of Culbac, Center Point, TX, (TA263); Davis, Dr. Lee (1990) Culbac Seed Treatment for Supersweet Corn, (ST46); —, Culbac for Starters in the Nursery Industry, (ST49); <sup>2</sup> Sharples, George (1976) The Effect of Culbac/Plant Treatment on Lettuce Seed Germination and Seedling Growth, University of Arizona, Mesa, AZ, (TA6); <sup>3</sup> Asghari, Mansour (1988) Seed Treatment Trials Using 'Japanese Rice Technique' on Rice, Treated Wheat, Untreated Wheat and Bluegrass, Hulsey Seed Laboratory, Decatur, GA, (ST17); <sup>4</sup> Hadfield, Lamont (1974) Effect of Culbac Nutrients on N<sub>2</sub> Fixation, Brigham University, Provo, UT, (TA276).

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101 Gilbert Street, PO Box 68, Storm Lake, Iowa 50588 | 800-238-6075 | [TransAgra.com](http://TransAgra.com)