



NEWS RELEASE

American Vanguard's AMVAC® GreenSolutions™ Launches BioWake™ Dual-Use Seed Lubricant

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All-In-One Biological Planter Solution Facilitates Accurate Seed Placement and Superior Plant Health

American Vanguard Corporation (NYSE: AVD) announced today that **AMVAC®**, an American Vanguard Company and a global technology solutions provider in agriculture, has added **BioWake™** dual-use biological seed lubricant to its **GreenSolutions™** biological product portfolio.

BioWake is an all-in-one biological planter box seed lubricant that delivers superior seed flow during deposition and enhances nutrient uptake which meaningfully strengthens plant vitality.

In creating BioWake, AMVAC has combined **Terrasym®** microbial inoculants from **NewLeaf Symbiotics®** with DUST soy protein planter lubricant from **Low Mu Tech** to create a truly unique multifunctional product.

As a dry application seed lubricant made from soybeans, BioWake has been approved for use on corn and soybean seeds, and provides a cleaner, safer alternative to talc and graphite products typically used to ensure seed flowability through the planter.

Additionally, the beneficial microbes in BioWake spread from the seed surface across the plant's roots and leaves to improve nutrient uptake, secrete beneficial molecules into the root zone, and ensure transport of micronutrients throughout the growing season. Field trials and research data on BioWake have demonstrated significant yield increases in both corn and soybeans.

Eric Wintemute, Chairman & CEO of American Vanguard, commented: "BioWake provides a convenient, superior



solution for farmers to achieve smooth, accurate corn and soybean planting while simultaneously offering increased nutrient uptake and abiotic stress tolerance triggered by beneficial biological activity for months after planting. This synthesis of lubricant and microbial components reflects the emphasis that AMVAC places on driving innovative, value-added technological development.”

BioWake will be available for purchase at retail locations for the 2023 growing season. For more information about BioWake and AMVAC GreenSolutions, visit amvac.com/greensolutions.

ABOUT AMERICAN VANGUARD

American Vanguard Corporation is a diversified specialty and agricultural products company that develops, manufactures, and markets solutions for crop protection and nutrition, turf and ornamentals management, and commercial and consumer pest control. American Vanguard is included on the Russell 2000® and Russell 3000® Indexes and the Standard & Poor’s Small Cap 600 Index. To learn more about American Vanguard, please reference the Company’s web site at www.american-vanguard.com.

The Company, from time to time, may discuss forward-looking information. Except for the historical information contained in this release, all forward-looking statements are estimates by the Company’s management and are subject to various risks and uncertainties that may cause results to differ from management’s current expectations. Such factors include weather conditions, changes in regulatory policy and other risks as detailed from time-to-time in the Company’s SEC reports and filings. All forward-looking statements, if any, in this release represent the Company’s judgment as of the date of this release.

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