

The NEXT generation in seed treatment

EXCALIBRE Encapsulated Inoculant

with **IGET Technology**

Net Contents: 10 Oz. (284 grams)

Treats up to 200 x 50 lb units soybeans



IGETTM **TreatYourBeans.com**
Induced Gene Expression Triggers

Limited Warranty Advanced Biological Marketing guarantees the cultures in this package will inoculate the quantity and kind of seed specified on this package when: (1) Product is used prior to expiration date; (2) Product is stored properly; (3) Product is used under favorable soil and weather conditions; (4) Product is used in accordance with directions for use noted on this package. ADVANCED BIOLOGICAL MARKETING MAKES NO OTHER EXPRESS OR IMPLIED WARRANTY OF FITNESS, WARRANTY OF MERCHANTABILITY, OR WARRANTY FOR A PARTICULAR PURPOSE, OR ANY OTHER EXPRESS OR IMPLIED WARRANTY. ADVANCED BIOLOGICAL MARKETING'S LIABILITY IS HEREBY EXPRESSLY LIMITED TO THE PURCHASE PRICE OF PRODUCT ONLY. IN NO EVENT SHALL ADVANCED BIOLOGICAL MARKETING OR ANY SELLER OF THIS PRODUCT BE LIABLE FOR CONSEQUENTIAL, SPECIAL, OR INDIRECT DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT.

Please refer to the Excalibre-SA Technical Sheet, included, for specific recommendations.

CONTAINS LIVING ORGANISMS. STORE IN A COOL DRY PLACE OUT OF DIRECT SUNLIGHT

COMMERCIAL TREATER APPLICATION RECOMMENDATIONS

- 1. Please refer to Excalibre-SA Technical Sheet, included, for specific recommendations.**
 - 2. Fill the pre-mix tank with the appropriate amount of water to achieve desired coverage on the seed.**
 - 3. Use only non-chlorinated water.**
 - 4. Measure and apply Excalibre-SA Soybean Inoculant at the rate of 0.1 ounce per 100 lbs. of seed (by weight). Please refer to the Excalibre-SA Technical Sheet, included, for specific recommendations.**
 - 5. Pour measured amount of Excalibre-SA into premix tank liquid and apply to inoculate desired amount of soybean seed.**
 - 6. Use Extender for Excalibre to achieve desired extended on-seed shelf life.**
 - 7. Maintain agitation.**
- Excalibre-SA with Fungicides and Extenders** **1.** Excalibre-SA may be used in combination with approved, commercially applied fungicides. **2.** Extender for Excalibre must be added to achieve an extended on-seed planting window. **3.** For a complete list of compatible fungicides, instructions for use of approved polymer extenders, and recommended "days on-seed planting window," go to TreatYourBeans.com or call Advanced Biological Marketing at 1-877-617-2461.
- Recommendations for Adverse Conditions or new "virgin" soybean field**
If Soil has not hosted the specific legume for more than 3 years; Soil pH is less than 5.8 (The pH should be adjusted by liming prior to inoculation); Soil organic matter is less than 1%; Drought or flooding has occurred; Topsoil conditions exceed 80°F; Soil erosion has occurred; or When using seed or soil treatments or chemicals injurious to soil bacteria and inoculants.
- To Maximize Yield Potential Under any of the Conditions Above, Follow these recommendations: Use a double (2X) rate of inoculants. a. Apply a 1X rate of Excalibre-SA no more than 30 days prior to planting. b. Additionally, apply at planting, a 1X rate of an America's Best Inoculant formulation: ABI Sterile Peat, ABI Sterile Liquid, ABI MegaPack, or Graph-Ex.

Dealer Applied

Patent Pending



ADVANCED BIOLOGICAL MARKETING
P.O. Box 222 Van Wert, OH 45891
USA.877/617-2461 ABM1st.com

Excalibre™ Soybean Inoculant is a
Trademark of Advanced Biological
Marketing, Inc.



TreatYourBeans.com

CAUTION: Excalibre-SA may be used either on untreated seed, or seed that has been treated with a fungicide or insecticide. Wear appropriate protective gear, avoid skin contact or breathing of dust, and follow the caution statements of the other treatments if the seed has been pretreated. Individuals allergic to molds and or fungi should take precautions to avoid contact with the eyes or skin. To minimize risk of allergic exposure, individuals should wear standard protective clothing and equipment including gloves, safety glasses, and an NIOSH approved respirator. In case of allergic contact with eyes or skin, immediately flush the exposed area with water. Seek medical attention if irritation develops or persists.



Excalibre-SA™ for Soybeans delivers the growth stimulant benefits of the **iGET™** Technology PLUS the nitrogen fixation benefits of industry leading Excalibre® soybean inoculant. Excalibre's triple stack rhizobia package assures optimum N-fixation under a variety of soil conditions, including hot dry soils, cool and wet conditions, and offers more aggressive nodulation in carryover nitrate situations.

Technical Information

Excalibre-SA Package Size:	One pail contains 10 oz. by weight (284 grams)	Excalibre-SA Formulation/Specification:	Dry powder 5.5x10 ¹⁰ Rhizobia cfu/gm 1x10 ⁹ Trichoderma cfu/gm
Excalibre-SA Application Rate:	0.1 oz. (by weight) per 100 lbs. soybean seed	One Package Excalibre-SA Treats:	200 x 50 lb. units seed (10,000 lbs.)
Extender Pack Size	One pack contains 100 fl. oz.	Extender Formulation:	Starch-based liquid polymer
Extender Application Rate:	1 oz. per 100 lb. soybean seed Extender should always be mixed and applied with Excalibre-SA	One Package Extender Treats:	200 x 50 lb. units seed (10,000 lbs.)
Case Contains:	2 x 10 oz. packs per case Excalibre-SA 2 x 100 fl. oz. packs per case Extender	One Case Treats:	400 x 50 lb. units seed (20,000 lbs.)
Applications:	<p>Excalibre-SA is a suspendable powder designed for use in a liquid tank mix in commercial seed treatment systems with good agitation to maintain product suspension. For good seed coverage, ABM generally recommends a minimum of 5 oz. liquid per 100 lbs. seed, in any combination of non-chlorinated water and approved liquid seed treatments. (See chart on reverse.)</p> <p>Experienced seed treaters may choose to decrease the total volume applied.</p> <ol style="list-style-type: none"> 1. Remove or replace screens. Maintain agitation at all times. (Contact ABM for recommendations). 2. Measure Excalibre-SA by weight (recommended) or by volume per chart on reverse side. 3. Gradually pour Excalibre-SA into non-chlorinated water or approved liquid seed treatments. 4. Please refer also to “detailed mixing instructions” found in every case of Excalibre-SA. 		
Tank Mix Time Restrictions:	<p>To maintain inoculants viability, there is a maximum time Excalibre-SA can be kept in the mix tank:</p> <ol style="list-style-type: none"> 1. Excalibre-SA alone with non-chlorinated water should be applied to seed within 24 hours. 2. With approved seed treatments, Excalibre should be applied to seed within 4 hours. 		
Compatibility with Seed Treatments:	Excalibre-SA is tank-mix compatible with certain seed treatments and can be co-applied several days prior to planting. Follow these guidelines:		
	Excalibre-SA and Extender only, or co-applied with: Acceleron, ApronMaxx RFC, ApronMaxx RTA, CruiserMaxx Pak or Gaucho SB Flowable*	Plant within 120 days after treatment	
	Excalibre-SA and Extender co-applied with: Trilex AL Flowable, Allegiance with Trilex FL*, Innovate System, Rancona, Senator	Plant within 90 days after treatment	
<small>Trademarks of their Respective owners or manufactures</small>	Excalibre-SA and Extender co-applied with: Soy-Gard* products	Plant within 70 days after treatment	
New Soybean Ground or Adverse Crop Conditions	<p>Recommendations for Adverse Conditions or New “Virgin” Soybean Fields – If soil has not hosted the specific legume for more than three (3) years; Soil pH is less than 5.8 (The pH should be adjusted by liming prior to inoculation); Soil pH is more than 8.5; Soil organic matter is less than 1%; Drought or flooding has occurred; Topsoil conditions exceed 80° F; Soil erosion, or with the use of soil treatments and chemicals injurious to soil bacteria and inoculants, to Maximize Soybean Yield Potential: When planting soybeans under the conditions listed above, ABM recommends a double (2X) rate of inoculants. Follow these recommendations.</p> <p>If using an Excalibre product, achieve a 2X inoculants rate as follows:</p> <ol style="list-style-type: none"> a. Apply a 1X rate of Excalibre-SA no more than 30 days prior to planting. b. Additionally, apply at planting, a 1X rate of an America’s Best Inoculant formulation: ABI Sterile Peat, ABI Sterile Liquid, ABI MegaPack, or Graph-Ex <p>Please contact your ABM representative at 877-617-2461 for a specific recommendation.</p>		

Excalibre-SA, Graph-Ex, ABI Inoculants and ABI MegaPack are trademarks of ABM. America’s Best Inoculant is registered trademark of ABM.

* Trademarks or Registered Trademarks of their respective owners, marketers or manufacturers.



Advanced Biological Marketing
P.O. Box 222 Van Wert, OH 45891
877 .617 .2461 419 .232 .4664 FAX
treatyourbeans.com abm1st.com

Application Rates Typical Calculations	Lbs. seed treated	50-lb units seed treated	Cwt. seed treated	Excalibre-SA			Extender [†]	Water, Non-chlorinated (if no other treatment is being applied)		NOTES (For your convenience)	
				By WEIGHT [†] (recommended)		By VOLUME (approximate)					
10 oz. pail Excalibre-SA	10,000	200	100	10	oz-wt. [*]	20	80 ml. scoop	100	oz-vol.	320	oz-vol.
100 lbs. (cwt) seed	100	2	1	0.1	oz-wt.	0.2		1.0	oz-vol.	4	oz-vol.
50 lb. unit seed	50	1	0.5	0.05	oz-wt.	0.1		0.5	oz-vol.	2	oz-vol.
40-unit mini-bulk	2,000	40	20	2	oz-wt.	4		20	oz-vol.	80	oz-vol.
50-unit mini-bulk	2,500	50	25	2.5	oz-wt.	5		25	oz-vol.	100	oz-vol.
Other Sample Calculations	Lbs. seed treated	50-lb units seed treated	Cwt. seed treated	Excalibre-SA			Extender [†]	Water Non-chlorinated (if no other liquid treatment is being applied) [†]			
				By WEIGHT [†] (recommended)		By VOLUME (approximate)					
Lbs. seed:	500	10	5	0.5	oz-wt.	1	80 ml. scoop	5	oz-vol.	20	oz-vol. [†]
	1,000	20	10	1	oz-wt.	2		10	oz-vol.	40	oz-vol.
	1,500	30	15	1.5	oz-wt.	3		15	oz-vol.	60	oz-vol.
Lbs. seed:	2,000	40	20	2	oz-wt.	4	80 ml. scoop	20	oz-vol.	80	oz-vol.
	2,500	50	25	2.5	oz-wt.	5		25	oz-vol.	100	oz-vol.
	3,000	60	30	3	oz-wt.	6		30	oz-vol.	120	oz-vol.
Lbs. seed:	3,500	70	35	3.5	oz-wt.	7	80 ml. scoop	35	oz-vol.	140	oz-vol.
	4,000	80	40	4	oz-wt.	8		40	oz-vol.	160	oz-vol.
	4,500	90	45	4.5	oz-wt.	9		45	oz-vol.	180	oz-vol.
Lbs. seed:	5,000	100	50	5	oz-wt.	10	80 ml. scoop	50	oz-vol.	200	oz-vol.
	6,000	120	60	6	oz-wt.	12		60	oz-vol.	240	oz-vol.
	7,000	140	70	7	oz-wt.	14		70	oz-vol.	280	oz-vol.
	8,000	160	80	8	oz-wt.	16	80 ml. scoop	80	oz-vol.	320	oz-vol.
	9,000	180	90	9	oz-wt.	18		90	oz-vol.	360	oz-vol.
1 package Excalibre-SA + 1 package Extender	10,000	200	100	10	oz-wt.	20		100	oz-vol.	400	oz-vol.
Application Rates Typical Calculations	Lbs. seed treated	50-lb units seed treated	Cwt. seed treated	Excalibre-SA			Extender [†]	Water, Non-chlorinated (if no other treatment is being applied)			
				By WEIGHT [†] (recommended)		By VOLUME (approximate)					

*Measured weight in ounces.

REVISED 5/11 ExcalSATech11



ADVANCED BIOLOGICAL MARKETING
P.O. Box 222 Van Wert OH 45891
877 .617 .2461 • 419 .232 .4664 FAX
treatyourbeans.com abm1st.com