



ExcalibreTM

Encapsulated Inoculant
More life for your soybeans.

SPECIMEN LABEL

Net content 1 pound (16 ounces) Inoculates 160 X 50 lb. units of soybeans

PATENT PENDING



Excalibre™ Soybean Inoculant

Made in America for the World's Best Farmers!



COMMERCIAL TREATER APPLICATION RECOMMENDATIONS

EXCALIBRE SOYBEAN INOCULANT

1. Please refer to Excalibre 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 Soybean Inoculant at the rate of 0.2 ounces per 100 lbs. of seed (by weight). Please refer to the Excalibre Technical Sheet, included, for specific recommendations.

5. Pour measured amount of Excalibre Soybean Inoculant into premix tank liquid and apply to inoculate desired amount of soybean seed.

6. Use an approved polymer extender to achieve desired extended on-seed shelf life.

7. Maintain agitation.

EXCALIBRE SOYBEAN INOCULANT WITH FUNGICIDES AND EXTENDERS

1. Excalibre Soybean Inoculant may be used in combination with approved, commercially applied fungicides.

2. An approved polymer extender 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 www.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 inoculant.

- a. Apply a 1X rate of Excalibre 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.

LIMITED WARRANTY:

Advanced Biological Marketing guarantees the cultures in this package of Excalibre 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.

All field performance complaints must be brought to the attention of Advanced Biological Marketing within seventy (70) days of planting. 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 OF HANDLING OF THIS PRODUCT.



ADVANCED BIOLOGICAL MARKETING

P.O. Box 222
Van Wert, OH 45891
(877) 617-2461



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

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

www.TreatYourBeans.com
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Excalibre is an innovative encapsulated soybean seed inoculant that contains a blend of three proprietary strains of bacteria—the same versatile package as is found in the industry-leading **America's Best Inoculant®** products. It has been developed and proven effective by the best scientists in Bradyrhizobia genetics. This new patented encapsulation technology is the first of its kind in agriculture and offers a safe, easy to use way to significantly increase crop yields. Excalibre is a highly concentrated product that offers efficiency, convenience and production benefits to the producer and seed treater alike.

Technical Information

Excalibre Package Size:	One foil pack contains 16 oz. (by weight)	Excalibre Formulation and Specification:	Dry powder 55.0 billion Rhizobia per gram
Excalibre Application Rate:	0.2 oz. (by weight) per 100 lbs. soybean seed	One Package Excalibre Treats:	160 x 50 lb. units seed (8,000 lbs.) (Achieves seed loading rate of 1 million Rhizobia cells/seed)
Extender Pack Size	One pack contains 80 oz. (by volume)	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	One Package Extender Treats:	160 x 50 lb. units seed (8000 lbs.)
Case Contains:	4 x 16 oz. packs per case Excalibre 4 x 80 oz. packs per case Extender	One Case Treats:	640 x 50 lb. units seed (32,000 lbs.)
Applications:	<p>Excalibre 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.) 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 ABA for recommendations). 2. Measure Excalibre by weight (recommended) or by volume per chart on reverse side. 3. Gradually pour Excalibre into non-chlorinated water or approved liquid seed treatments. 4. Please refer to "detailed mixing instructions" found in every case of Excalibre. 		
Tank Mix Time Restrictions:	<p>To maintain inoculants viability, there is a maximum time Excalibre can be kept in the mix tank:</p> <ol style="list-style-type: none"> 1. Excalibre 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 is tank-mix compatible with certain seed treatments and can be co-applied several days prior to planting. Follow these guidelines:		
	Excalibre and Extender only, or co-applied with: ApronMaxx RFC, ApronMaxx RTA, Warden RTA, CruiserMaxx Pak or Gaucho SB Flowable*	Plant within 120 days after treatment	
	Excalibre and Extender co-applied with: Trilex AL Flowable, Allegiance with Trilex FL*	Plant within 90 days after treatment	
<small>Trademarks of their Respective owners or manufactures</small>	Excalibre and Extender co-applied with: SoyGard*, Soygard L Multipack, ApronMaxx Bean Pak*	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. 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 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, 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.





Application Rates Typical Calculations	Lbs. seed treated	50-lb units seed treated	Cwt. seed treated	Excalibre		Extender [†]	Water, Non-chlorinated (if no other treatment is being applied) [†]	NOTES (For your convenience)
				By WEIGHT* (recommended)	By VOLUME [†] (approximate)			
1 lb. Excalibre package	8,000	160	80	16 oz-wt.*	48 oz-vol. [†]	80 oz-vol. [†]	320 oz-vol. [†]	
100 lbs. (cwt) seed	100	2	1	0.2 oz-wt.	0.6 oz-vol.	1.0 oz-vol.	4 oz-vol.	
50 lb. unit seed	50	1	0.5	0.1 oz-wt.	0.3 oz-vol.	0.5 oz-vol.	2 oz-vol.	
40-unit mini-bulk	2,000	40	20	4 oz-wt.	12 oz-vol.	20 oz-vol.	80 oz-vol.	
50-unit mini-bulk	2500	50	25	5 oz-wt.	15 oz-vol.	25 oz-vol.	100 oz-vol.	
Other Sample Calculations								
	Lbs. seed treated	50-lb units seed treated	Cwt. seed treated	Excalibre		Extender[†]	Water Non-chlorinated (if no other liquid treatment is being applied) [†]	
				By WEIGHT* (recommended)	By VOLUME [†] (alternate method)			
Lbs. seed:	500	10	5	1 oz-wt.	3 oz-vol. [†]	5 oz-vol. [†]	20 oz-vol. [†]	
	1,000	20	10	2 oz-wt.	6 oz-vol.	10 oz-vol.	40 oz-vol.	
	1,500	30	15	3 oz-wt.	9 oz-vol.	15 oz-vol.	60 oz-vol.	
Lbs. seed:	2,000	40	20	4 oz-wt.	12 oz-vol.	20 oz-vol.	80 oz-vol.	
	2,500	50	25	5 oz-wt.	15 oz-vol.	25 oz-vol.	100 oz-vol.	
	3,000	60	30	6 oz-wt.	18 oz-vol.	30 oz-vol.	120 oz-vol.	
Lbs. seed:	3,500	70	35	7 oz-wt.	21 oz-vol.	35 oz-vol.	140 oz-vol.	
	4,000	80	40	8 oz-wt.	24 oz-vol.	40 oz-vol.	160 oz-vol.	
	4,500	90	45	9 oz-wt.	27 oz-vol.	45 oz-vol.	180 oz-vol.	
Lbs. seed:	5,000	100	50	10 oz-wt.	30 oz-vol.	50 oz-vol.	200 oz-vol.	
	6,000	120	60	12 oz-wt.	36 oz-vol.	60 oz-vol.	240 oz-vol.	
	7,000	140	70	14 oz-wt.	42 oz-vol.	70 oz-vol.	280 oz-vol.	
1 package Excalibre plus 1 package Extender	8,000	160	80	16 oz-wt.	48 oz-vol.	80 oz-vol.	320 oz-vol.	
Lbs. seed:	9,000	180	90	18 oz-wt.	54 oz-vol.	90 oz-vol.	360 oz-vol.	
	10,000	200	100	20 oz-wt.	60 oz-vol.	100 oz-vol.	400 oz-vol.	
Application Rates Typical Calculations	Lbs. seed treated	50-lb units seed treated	Cwt. seed treated	By WEIGHT* (recommended)	By VOLUME [†] (approximate)	Extender[†]	Water, Non-chlorinated (if no other treatment is being applied) [†]	
					Excalibre			

*Measured weight in ounces.

†Measured in fluid ounces. NOTE: 60 ml. plastic measuring cup in each case of Excalibre holds approximately 2 oz. by volume.

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ADVANCED BIOLOGICAL MARKETING
 P.O. Box 222 Van Wert OH 45891
 877.617.2461 • 419.232.4664 FAX
 treatyourbeans.com abm1st.com

