



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

<b>Excalibre Package Size:</b>	One foil pack contains 16 oz. (by weight)	<b>Excalibre Formulation and Specification:</b>	Dry powder <i>55.0 billion Rhizobia per gram</i>
<b>Excalibre Application Rate:</b>	0.2 oz. (by weight) per 100 lbs. soybean seed	<b>One Package Excalibre treats:</b>	160 x 50 lb. units seed (8,000 lbs.) <i>(Achieves seed loading rate of 1 million Rhizobia cells/seed)</i>
<b>Extender Pack Size:</b>	One pack contains 80 oz. (by volume)	<b>Extender Formulation:</b>	Starch-based liquid polymer
<b>Extender Application Rate:</b>	1 oz. per 100 lbs soybean seed Extender should always be mixed and applied with Excalibre	<b>One Package Extender Treats:</b>	160 x 50 lb. units seed (8,000 lbs.)
<b>Case Contains:</b>	4 x 16 oz. packs per case Excalibre 4 x 80 oz. packs per case Extender	<b>One Case Treats:</b>	640 x 50 lb. units seed (32,000 lbs.)
<b>Application:</b>	<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 <b>non-chlorinated water</b> and approved liquid seed treatments. (See chart on reverse.)  <u>Experienced seed treaters may choose to decrease the total volume applied.</u></p> <ol style="list-style-type: none"> <li>1. Remove or replace screens. Maintain agitation at all times. (Contact ABM for recommendations).</li> <li>2. Measure Excalibre by weight (recommended) or by volume per chart on reverse side.</li> <li>3. Gradually pour Excalibre into <b>non-chlorinated water</b> or approved liquid seed treatments.</li> <li>4. PLEASE REFER TO "DETAILED MIXING INSTRUCTIONS" found in every case of Excalibre.</li> </ol>		
<b>Tank Mix Time Restrictions:</b>	<p>To maintain inoculant viability, there is a maximum time Excalibre can be kept in the mix tank:</p> <ol style="list-style-type: none"> <li>1. <u>Excalibre alone</u> with <b>non-chlorinated water</b> should be applied to seed within 24 hours.</li> <li>2. <u>With approved seed treatments</u>, Excalibre should be applied to seed within 4 hours.</li> </ol>		
<b>Compatibility with Seed Treatments:</b>	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
	Excalibre and Extender co-applied with: SoyGard, Soygard L MultiPak, ApronMaxx Bean Pak*		Plant within 70 days after treatment
<b>New Soybean Ground:</b>	<p>If soybeans haven't been grown for more than 5 years, additional inoculant is advisable for optimum agronomic response under those conditions.  Please contact your ABM representative at 877-617-2461 for a specific recommendation.</p>		

Excalibre is a trademark of ABM. America's Best Inoculant is registered trademark of ABM

\*Trademarks of their respective owners or manufacturers.

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Application Rates <i>Typical Calculations</i>	Lbs. seed treated	50-lb units seed treated	Cwt. seed treated	Excalibre				Extender †		Water, Non-chlorinated (if no other liquid 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.*	32	oz-vol.†	80	oz-vol.†	320	oz-vol. †		
100 lbs. (cwt) seed	100	2	1	0.2	oz-wt.	0.4	oz-vol.	1.0	oz-vol.	4	oz-vol.		
50 lb. unit seed	50	1	0.5	0.1	oz-wt.	0.2	oz-vol.	0.5	oz-vol.	2	oz-vol.		
40-unit mini-bulk	2,000	40	20	4	oz-wt.	8	oz-vol.	20	oz-vol.	80	oz-vol.		
50-unit mini-bulk	2,500	50	25	5	oz-wt.	10	oz-vol.	25	oz-vol.	100	oz-vol.		
<i>Other Sample Calculations</i>	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.*	2	oz-vol.†	5	oz-vol.†	20	oz-vol. †		
	1,000	20	10	2	oz-wt.	4	oz-vol.	10	oz-vol.	40	oz-vol.		
	1,500	30	15	3	oz-wt.	6	oz-vol.	15	oz-vol.	60	oz-vol.		
Lbs. seed:	2,000	40	20	4	oz-wt.	8	oz-vol.	20	oz-vol.	80	oz-vol.		
	2,500	50	25	5	oz-wt.	10	oz-vol.	25	oz-vol.	100	oz-vol.		
	3,000	60	30	6	oz-wt.	12	oz-vol.	30	oz-vol.	120	oz-vol.		
Lbs. seed:	3,500	70	35	7	oz-wt.	14	oz-vol.	35	oz-vol.	140	oz-vol.		
	4,000	80	40	8	oz-wt.	16	oz-vol.	40	oz-vol.	160	oz-vol.		
	4,500	90	45	9	oz-wt.	18	oz-vol.	45	oz-vol.	180	oz-vol.		
Lbs. seed:	5,000	100	50	10	oz-wt.	20	oz-vol.	50	oz-vol.	200	oz-vol.		
	6,000	120	60	12	oz-wt.	24	oz-vol.	60	oz-vol.	240	oz-vol.		
	7,000	140	70	14	oz-wt.	28	oz-vol.	70	oz-vol.	280	oz-vol.		
<b>1 package Excalibre plus 1 package Extender</b>	8,000	160	80	16	oz-wt.	32	oz-vol.	80	oz-vol.	320	oz-vol.		
	9,000	180	90	18	oz-wt.	36	oz-vol.	90	oz-vol.	360	oz-vol.		
Lbs. seed:	10,000	200	100	20	oz-wt.	40	oz-vol.	100	oz-vol.	400	oz-vol.		

\* 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 ExcalTech 08A