



## Product Compatibility CEASE®

CEASE (*Bacillus subtilis*, strain QST 713) is an excellent tank-mix or rotational partner in your disease control program, providing the benefits of improved efficacy, resistance management, and food, worker, and environmental safety.

CEASE has been tested for compatibility with dozens of commonly used pesticides, nutrients, and adjuvants at the rate of 4qt/ 100 gallons and was found to be compatible with nearly all inputs. Make applications of tank mix solutions as soon as possible after mixing and do not store overnight.

Adjuvants, Surfactants		
Active Ingredient(s)	Brand Name	Compatibility
-	Bond®	Yes
-	Capsil®	Yes
-	COHERE®	Yes
-	Hasten®	Yes
-	Hyper-Active®	Yes
-	Intac®	Yes
-	Kinetic®	Yes
-	Nu-Film® P and 17	Yes
-	Quest®	Yes
-	R-11®	Yes
-	R-56®	Yes
-	Silwet® L77	Yes
-	Spray-Aide®	Yes
-	Sylgard® 309	Yes
-	Tactic®	Yes
-	Yucca Extracts	Yes
-	Zonix	Yes

Fertilizers		
Active Ingredient(s)	Brand Name	Compatibility
-	Epsom Salts	Yes
-	Fish Oil	Yes
-	Nutri-phite®	Yes
-	Nutri-phite® PK	Yes
-	<b>ON-Gard®</b>	Yes
-	Various	Yes  Note: Fertilizers vary in physical properties, so a jar test is recommended prior to the first application.

Fungicides		
Active Ingredient(s)	Brand Name	Compatibility
Azoxystrobin	Abound®	Yes
	Heritage®	Yes
	Quadris®	Yes
<i>Bacillus subtilis</i> GBO3	Companion®	Yes, compatible when held less than 2 hours
Boscalid + Pyraclostrobin	Pageant®	Yes
	Pristine®	Yes
	Signum®	Yes
Chlorothalonil	Bravo®	Yes
	Daconil®	Yes
	Echo®	Yes
Copper Hydroxide	Champ®	Yes
	Kocide® 101	Yes
	Nu-Cop®	Yes
Copper salts of fatty acids	Camelot®	Yes
Copper sulfate pentahydrate	Phyton® 27	Yes
Cyprodinil	Vanguard®	Yes
Cyprodinil + Fludioxonil	Switch®	Yes
Dimethomorph	Acrobat® 50 WP	Yes
Fenamidon	Reason®	Yes
Fenhexamid	Teldor	Yes
Fluopyram	Luna Prime®	Yes
	Luna Privilege®	Yes
	Velum®	Yes
Fluopyram/tebuconazole	Luna Experience®	Yes
Fluopyram/trifloxystrobin	Luna Sensation®	Yes
Fluopyram/pyrimethanil	Luna Tranquility®	Yes
Fosetyl-al	Aliette® 80 WDG	<b>No</b>
Hydrogen Dioxide + Peroxyacetic Acid	OxiDate® 2.0	Yes, at 200 ppm and below, held 2 hours or less
	ZeroTol® 2.0	
Hydrogen peroxide	<b>PERpose Plus®</b>	Yes, at 200 ppm and below, held 2 hours or less
Iprodione	Chipco® 26GT	Yes
	Rovral®	Yes
Mancozeb	Dithane® DF	Yes
	Fore® Rainshield	Yes
Maneb	Maneb®	Yes
Mepanipyrim	Frupica SC	Yes

<b>Fungicides, continued</b>		
<b>Active Ingredient(s)</b>	<b>Brand Name</b>	<b>Compatibility</b>
Myclobutanil	Eagle® 20 EW	Yes
	Nova®	Yes
	Rally® 40W	Yes
Mono- and di-potassium salts of phosphorous acid + Hydrogen peroxide	OxiPhos®	<b>No</b> Apply 1 day before or after
Neem Oil	Trilogy®	Yes
Oxytetracycline	Mycoshield®	Yes
Paraffinic Oil	JMS Stylet-Oil®	Yes
Penconazole	Topas	Yes
Phosphorous Acid	Fosphite	Yes
	Phostrol	Yes
Potassium Bicarbonate	<b>MilStop® SP</b>	Yes
Propiconazole	Banner Maxx®	Yes
	Orbit®	Yes
	Tilt®	Yes
<i>Pseudomonas fluorescens</i> A506	Blightban® A506	Yes
Pyrimethanil	Scala®	Yes
Quinoxifen	Quintec®	Yes
Rosemary Oil	TetraCURB	Yes
<i>Streptomyces lydicus</i> WYEC 108	Actinovate® SP	Yes
Streptomycin Sulfate	Agri-Mycin® 17	Yes
Sulfur	Lime Sulfur	Yes
	Microthiol®	Yes
Tebuconazole	Elite® 45 WP	Yes
Thiophanate-methyl	Cleary 3336®	Yes
	Topsin®	Yes
<i>Trichoderma harzianum</i> strain T-22	<b>RootShield® WP</b>	Wait 1 day after CEASE application (4 qt/100 gal max)
<i>Trichoderma harzianum</i> strain T-22 and <i>Trichoderma virens</i> strain G41	<b>RootShield® PLUS+ WP</b>	Wait 1 day after CEASE application (4 qt/100 gal max)
<i>Ulocladium oudemansii</i> U3	<b>BotryStop®</b>	<b>No</b> (Apply after 7 days)



Insecticides, Miticides		
Active Ingredient(s)	Brand Name	Compatibility
Abamectin	Avid®	Yes
	Varsity®	Yes
Azadirachtin	<b>Molt-X®</b>	Yes
<i>Bacillus thuringiensis</i>	DiPel® Pro DF	Yes
	Javelin® WG	Yes
<i>Beauveria bassiana</i> , strain GHA	<b>BotaniGard® 22WP</b>	Yes, CEASE at 4 qt /100 gal <b>At 8 qt CEASE/100 gal wait 1 day</b>
	<b>BotaniGard® ES</b>	
	<b>Mycotrol® ESO</b>	
	<b>Mycotrol® WPO</b>	
Bifenthrin	Capture	Yes
Cyantraniliprole	Mainspring®	Yes
Deltamethrin	Various	Yes
Imidacloprid	Marathon®	Yes
	Merit®	Yes
	Provado® 75 WP	Yes
<i>Isaria fumosorosae</i> Apopka Strain 97	Preferal®	Yes (May have a negative impact on Preferal)
Lambda-cyhalothrin	Karate®	Yes
Mineral Oil	<b>SuffOil-X®</b>	Yes
Neem Oil	Trilogy	Yes
Oxamyl	Vydate	Yes
Paraffinic Oil	JMS Stylet-Oil®	Yes
Permethrin	Ambush	Yes
	Pounce	Yes
Potassium salts of fatty acids	M-Pede	Yes
Pyrethrins, <i>Beauveria bassiana</i> , strain GHA	<b>BotaniGard® MAXX</b>	Yes, CEASE at 4 qt/100 gal & BotaniGard MAXX at 2 qt/100 gal; <b>At 8 qt CEASE/100 gal wait 1 day</b>
<i>Steinernema feltiae</i>	<b>NemaShield</b>	Yes
Spinosad	Conserve® SC	Yes
Spinosad	Spintor®	Yes
Spinosad	Success®	Yes
Thiocloprid	Calypso®	Yes

Refer to product labels for complete application details. Additional technical information is available on our website ([bioworksinc.com](http://bioworksinc.com)) or from your BioWorks Biological Solutions Advisor. Always read and follow label instructions.