

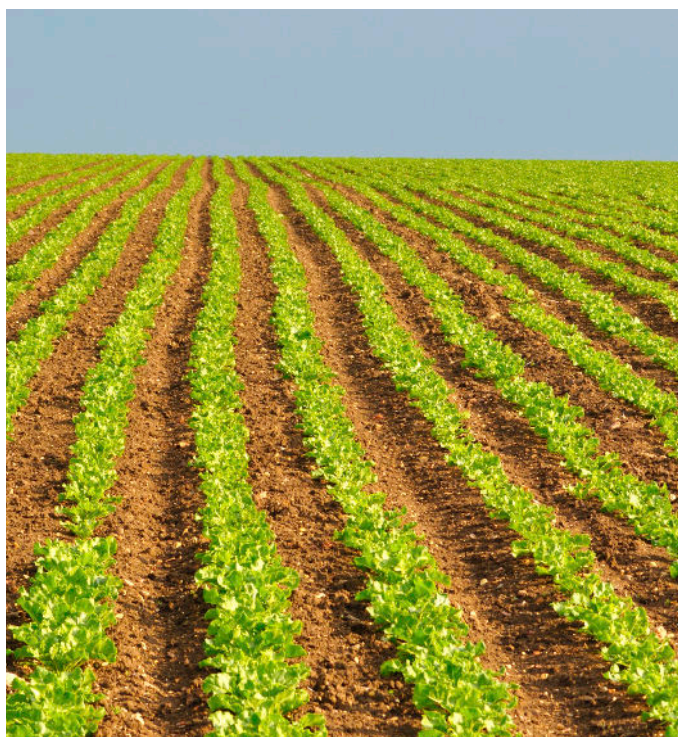


**BRANDT®**

# Adjuvant Products Guide

## Improve Tank Mixing and Application Efficacy with BRANDT Adjuvants

BRANDT manufactures a wide range of adjuvants that help improve the performance and effectiveness of pesticide applications. From tank mix adjuvants to application aids and utility products, BRANDT has the solutions to improve spray application effectiveness.

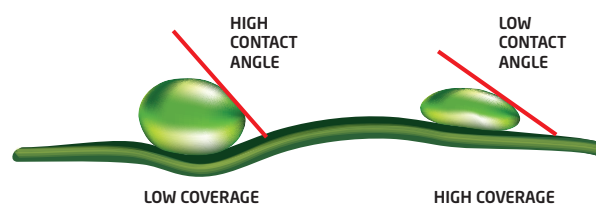


## What is an Adjuvant?

Adjuvants are materials added to a tank mix to aid or modify the action of an agrichemical or the physical characteristics of the mixture. Depending upon the treatment goals, adjuvants can advance the performance of the spray mixture by improving spreading, penetration, deposition, wetting, sticking, and moisture retention properties. Others can reduce drift, acidify or buffer the spray tank pH, condition spray water, and suppress or prevent spray tank foam.

The most common types of tank mix adjuvants are non-ionic surfactants (surface active agents). A surfactant will reduce the internal energy of a spray droplet that holds the droplet into a sphere and causes it to “bead up” on leaf surfaces.

Surfactant molecules are water and oil soluble, which allows them to migrate to the surface of the liquid and break the hydrogen bond between water molecules. This flattens the droplet, allowing it to cover more of the leaf surface. This energy is referred to as surface tension and is measured in dynes/cm. The surface tension of water is generally recognized to be 72 dynes/cm. Most quality surfactants will reduce the surface tension of the spray solution to 20-30 dynes/cm.



For more information email [info@BRANDT.co](mailto:info@BRANDT.co) or call  
+1 217 547 5840 (BRANDT global) or  
+34 954 196 230 (BRANDT Europe)

The marks BRANDT, Indicate 5, Saf-T-Add and Torpedo are registered trademarks of Brandt Consolidated, Inc. All other trademarks, product names and company names that appear on this document are the property of their respective owners or licensees, who may or may not be affiliated with, connected to, or sponsored by Brandt Consolidated, Inc.

**BRANDT EUROPE, S.L.**  
Crta. Carmona-Guadajoz Km, 3,1  
PO Box 98  
41410 Carmona-Seville (Spain)  
[www.brandteurope.com](http://www.brandteurope.com)  
[www.brandt.co](http://www.brandt.co)

**BRANDT®**

# BRANDT Adjuvant Guide

Product	Description	Acidifier Buffer	Deposition Aid	Drift Control	Penetrant	Spreader	Sticker	Water Conditioner	Utility	OMRI Listed
BRANDT 719 Spreader	OMRI Listed non-ionic wetting agent, spreader, and penetrant				●	●				●
BRANDT Anti-Pod Shatter Aide	Polymeric Terpene agent Anti-transpirant Aide								●	
BRANDT Indicate 5	83% non-ionic surfactant containing a pH indicator	●				●		●		
BRANDT Mojan-T	Anionic DDSA based wetter-spreader agent					●				
BRANDT pH Adjust	Citric acid based acidifier/buffering agent	●							●	
BRANDT Saf-T-Add	Inverted emulsion paraffinic based superior tank mix partner				●	●	●			
BRANDT Super 7	Non-ionic, APE free, deposition aid, acidifier, penetrant	●	●	●	●	●				
BRANDT Super Wetter	Premium 100% organosilicone super wetter				●	●				●
BRANDT Torpedo	pH neutral deposition aid & surfactant		●	●	●	●				
BRANDT Umbrella	100% active non-ionic spreader/terpene resin sticker					●	●			

## BRANDT® 719 Spreader - OMRI Listed

Proprietary non-ionic trisiloxane alkoxylate based wetting agent. Its unique trisiloxane surfactant and co-polymer formulation is designed to prevent quick evaporation and run-off problems associated with some organosilicone based wetting agents. BRANDT 719 SPREADER can be used at much lower rates than conventional non-ionic surfactants.

## BRANDT® Anti-Pod Shatter Aide

When applied to seed crops, BRANDT ANTI-POD SHATTER AIDE forms a unique semi-permeable membrane over filling pods or grains. Transpiration stresses caused by desiccation and dry conditions are reduced, resulting in a reduction of pod shatter or seed losses. The flexible and durable film reduces pod shatter and helps cereal, forage seed, pulse, canola and bean crops to retain their full yield potential until harvest.

## BRANDT Indicate 5®

Unique adjuvant that contains a built in pH indicator, turning the spray tank water pink as soon as the optimum level of 4.5-5.5 is reached. It eliminates the need to test the water pH with any additional equipment. Multi-purpose BRANDT INDICATE 5 aids in wetting, spreading, and acidifying spray application.

## BRANDT® Mojan-T

BRANDT MOJAN-T is an anionic, tensio-active wetter-spreader containing ammonium dodecylbenzene sulfonate. BRANDT MOJAN-T reduces the surface tension of spray mixes, thus providing superior, more uniform coverage of foliar sprays on all crops.

## BRANDT pH Adjust

An extremely effective citric acid based acidifier and buffering agent specifically formulated for lowering the pH of spray solutions where phosphoric acid or other strong acids are undesirable. An alternate formulation of BRANDT pH ADJUST is also available which contains a built-in pH color indicator.

## BRANDT® Saf-T-Add®

BRANDT SAF-T-ADD is an inverted emulsion paraffinic oil based ideal tank mix partner and has excellent compatibility with pesticides labelled for use with oils. BRANDT SAF-T-ADD is especially formulated to aid in the sticking and spreading of crop protection chemicals to foliage.

## BRANDT® Super 7

Multi-function properties help control droplet uniformity, reduce amount of driftable fines, and reduce spray tank pH levels for improved pesticide uptake and efficacy. BRANDT SUPER 7 works as a surfactant, is an excellent penetrant, and is APE free.

## BRANDT® Super Wetter - OMRI Listed

A 100% premium non-ionic organosilicone surfactant engineered to efficiently wet the target and improve coverage by imparting phenomenal spreading characteristics at only 0.02 to 0.15 wt%. Beneficial in low volume spray applications and hard to penetrate dense and hydrophobic surfaces.

## BRANDT® Torpedo®

A unique 100% active methylated vegetable oil, lecithin, and surfactant blend that can be used with pesticides that recommend a NIS, COC, or MSO. pH neutral BRANDT TORPEDO is suited well for systemic chemistries, while its multi-component design enhances penetration properties, offers superior spreading, improves deposition of spray droplets, and reduces the production of fine droplets which are susceptible to off target movement.

## BRANDT® Umbrella

A premium 100% active non-ionic polymeric terpene resin based spreader/sticker. BRANDT UMBRELLA's specialized foliar retention agents form a weatherable film upon drying.