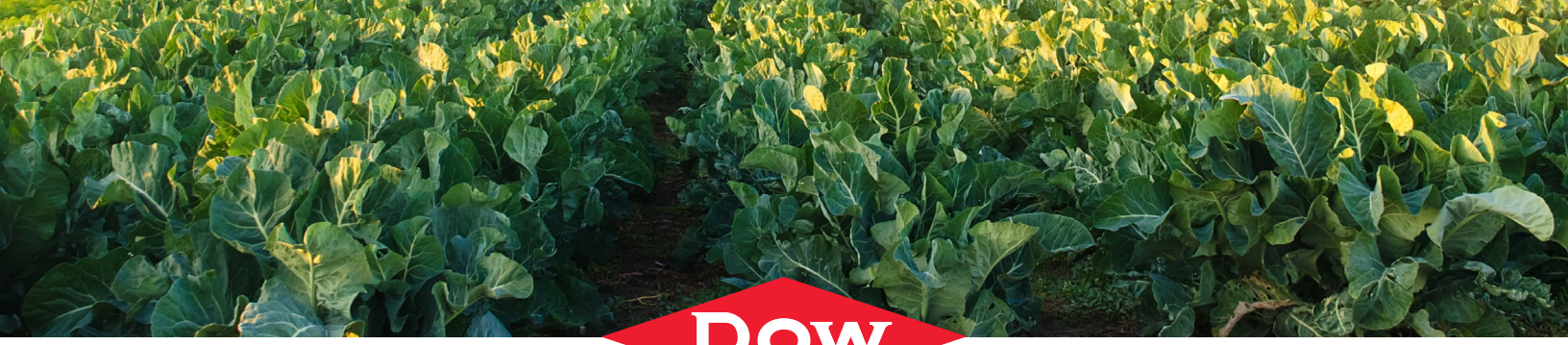

POWERBLOX™ BC

Co-Formulants for Biological Formulations

Cultivating your growth with biocompatible agricultural co-formulants

Compatibility between microorganisms and co-formulants is crucial in biological formulation development. The right co-formulants are key to develop stable and efficient crop protection formulations allowing the active ingredients to realize their full potential.

Dow has developed a solution for modern agriculture: POWERBLOX™ BC, a co-formulants portfolio specifically designed for biologicals. POWERBLOX™ BC can integrate seamlessly into new and existing biological crop protection products to maximize the effectiveness of microorganisms in these formulations.

- **Versatile application:** Tested across a broad representation of bacteria and fungi
- **Optimal efficacy:** Maintains stability and effectiveness until delivery with proven microorganism compatibility
- **Sustainable solutions:** Facilitate development of biological solutions within a range of regulatory frameworks

Advanced screening

Ensure your confidence in optimal compatibility with data from Dow's HTR Luminescence methodology

Ready-to-formulate

POWERBLOX™ BC is a formulator's toolbox for reliable performance across a wide range of actives & formulations

Global footprint

Standardize your global development with Dow's worldwide manufacturing and supply network

Continuous R&D

Trust our commitment to staying ahead of industry trends and meeting new market needs and regulations

Grow with Dow

Dow is a global player in agricultural solutions with a strong track record of innovation and expertise. When you choose Dow, you're gaining access to a wealth of knowledge and support designed to help you succeed in an increasingly competitive market. With a broad team and a comprehensive toolbox to help you find the right co-formulant for your microorganism and formulation.

Dow helps you grow, not only thanks to our robust agricultural portfolio which extends beyond biologicals, but also thanks to our global manufacturing footprint, our technical capabilities, and our commitment to sustainability. You can rely on a partner that offers a back-integrated global presence.

Explore Dow's offerings for biological formulations

Main function (Formulation type)	Co-formulant	Chemistry	Product highlights	Form	Actives	Diluent	Water solubility	HLB range	Gram -	Fungi
Emulsifiers (OD, EC)	POWERBLOX™ BC-210 Surfactant	Alcohol Alkoxylate		L	100%	-	Soluble	7 - 8	++	++++
	POWERBLOX™ BC-231 Surfactant	Alcohol Alkoxylate		L	100%	-	Soluble	10 - 11	++	++++
	POWERBLOX™ BC-113 Surfactant	Seed Oil Alcohol Ethoxylate		L	100%	-	Soluble	9 - 10	-	++
	POWERBLOX™ BC-110 Surfactant	Seed Oil Alcohol Ethoxylate		L	100%	-	Soluble	11 - 12	+	+++
	POWERBLOX™ BC-310 Surfactant	Secondary Alcohol Ethoxylate		L	100%	-	Dispersible	10 - 11	++	++
	POWERBLOX™ BC-313 Surfactant	Secondary Alcohol Ethoxylate		L	100%	-	Soluble	12 - 13	+++	++
	POWERBLOX™ BC-316 Surfactant	Secondary Alcohol Ethoxylate		L	100%	-	Soluble	13 - 14	+++	++
	POWERBLOXTM BC-512 Surfactant	Castor Oil Ethoxylate		L	100%	-	Soluble	12 - 13	++++	++
Wetting (SL)	POWERBLOX™ BC-731 Surfactant	Branched Alcohol Ethoxylate		L	90%	Water	Soluble	13 -14	++	+++
	POWERBLOX™ BC-630 Surfactant	APG		L	50%	Water	Soluble	13 - 14	+	+
Dispersing Agents (WP/WDG/SC/FS)	POWERBLOX™ BC-440 Surfactant	EO/PO Copolymer		L	100%	-	Soluble	3 - 4	+++	++++
	POWERBLOX™ BC-412 Surfactant	EO/PO Copolymer		L	100%	-	Soluble	15 - 16	++++	++++
	POWERBLOX™ BC-421 Surfactant	EO/PO Copolymer		S	100%	-	Soluble	13 - 14	++	++++
	POWERBLOX™ BC-420 Surfactant	EO/PO Copolymer		S	100%	-	Soluble	13 - 14	+	++
	POWERBLOX™ BC-426 Surfactant	EO/PO Copolymer		S	100%	-	Soluble	13 - 14	+++	++++
Film Forming Agent (Seed Treatment FS)	POWERBLOX™ Filmer-17 FFA*	Acrylic		L	50%	Water	Soluble	N/A	+++	+++
	Experimental Microplastic-Free FFA*	Confidential	--	--	50%	Water	Soluble	N/A	+++	+

- ——————► ++++ Min to Max compatibility

Readily Biodegradable:

Expected to be eligible for EPA Inerts Listing:

OMRI Eligibility:

*According to EU Regulatory Framework

Would you like more details about our work in the biologicals space? Connect with Dow's Crop Solutions team to further explore solutions to your bioformulations.

Please complete the form in the QR code and you will be contacted by a Dow technical team member who will work closely with you to find the right solution to your formulation challenge.

POWERBLOX™

Crop solutions by DOW

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