

Surfactant & Adjuvant Selection Guide

Product Group	Spray Surfactant / Adjuvant Portfolio		
ISP Product Brand	Manta Ray Surfactant	Octane Extender, Sticker, Spreader	Scrubwet Penetrant Surfactant
Key functions of product	Approved for Aquatic Use. Acidifies spray solution, reducing alkaline hydrolysis with specific chemistry. Improves droplet size consistency – reducing drift.	Improves retention and deposition of spray droplets. Improves rainfastness. Improves droplet lifetime. Protects against losses from UV, wind and volatilization.	Increases spray solution's ability to wet very hairy or waxy leaf surfaces. Reaches areas of plant other surfactants can't. Stomatal flooding with herbicide.
Compatible for use with products containing these active ingredients	<p>Aquatic Herbicides</p> <ul style="list-style-type: none"> Glyphosate Flumioxazin Diquat Amitrole <p>Plant Protection products susceptible to Alkaline Hydrolysis</p> <ul style="list-style-type: none"> Weak Acid Herbicides Iprodione 2,4-D & MCPA. Acetamiprid Amitrole Asulam Bentazone Bifenthrin Bromoxynil Carfentrazone Clofentezine Clopyralid Chlorpyrifos Dicamba Diclofop-methyl Fluazifop-p-butyl Glufosinate ammonium Indoxacarb Thiophanate methyl Trichlorfon 	<p>Sulfonyl Urea Herbicides – Improves uptake and distribution</p> <ul style="list-style-type: none"> Trifloxysulfuron sodium Foramsulfuron Rimsulfuron <p>Extension of Contact Fungicide Activity</p> <ul style="list-style-type: none"> Chlorothalonil Mancozeb Thiram Fluazinam <p>Extension of Contact Insecticide Activity</p> <ul style="list-style-type: none"> Bifenthrin Permethrin Beta-Cyfluthrin <p>Application of foliar applied Biological Products</p> <ul style="list-style-type: none"> Octane is safe on beneficials. 	<p>Use with Woody Weed & Environmental Weed Herbicide Products</p> <ul style="list-style-type: none"> Picloram Triclopyr & Picloram Triclopyr Glyphosate Clopyralid Metsulfuron Methyl Hexazinone Aminopyralid





Spray Additive Selection Guide

Product Group	Spray Additive Portfolio	
ISP Product Brand	Foam Aid	Indigo Blue Spray Marking Dye
Key functions of product	Foam Suppressant – reduces excess foam in the spray tank. Reduces filling time and overflow waste.	Assists in clearer identification of sprayed areas. When used as a colouring agent with white foam markers, foam will become blue in colour to allow clearer identification.
Compatible for use with products containing these active ingredients	Use with any products that create excessive foam in the spray tank Granular Glyphosate Simazine Atrazine Diuron 2,4-D MCPA Soil Surfactants	Compatible with most products
Tank Mixing Procedure with Surfactant, Adjuvants and Spray Additives		
Step 1	Water goes into the tank first. Fill the tank at least ½ full and start agitation.	
Step 2	Add Foam AID (allow to fully disperse into the water solution).	
Step 3	Add water conditioners (eg. Ammonium sulphate, acidifiers – Manta Ray).	
Step 4	Water Soluble Packages (WSP's).	
Step 5	Water Dispersible Granules (WG / WDG's).	
Step 6	Wettable Powders (WP's).	
Step 7	Suspension Concentrates (SC's).	
Step 8	Oil in Water Emulsions (EW's).	
Step 9	Oil Dispersions (OD's).	
Step 10	Emulsifiable Concentrates (EC's).	
Step 11	Soluble Concentrates.	
Step 12	Grenadier 800WG Fungicide.	
Step 13	Liquid Fertilisers	
Step 14	Spray adjuvants (including Octane, Scrubwet).	
Step 15	Fill remainder of the spray tank and with water to the desired volume.	

