

**SPRAY ADDITIVES**

<b>Product</b>	<b>Description</b>	<b>Trade Name Examples</b>
Acidifier	Add to spray mix to lower pH.	PAS-800; Monterey Super 7; pHazol
Activator	Enhances activity of pesticide by enabling improved plant absorption	Surf-King Plus; BIO 90; Delux, Microyl, Pen-A-Trade, Persist, Speed, Bio90
Buffer	Stabilizes tank mix pH and makes it more resistant (buffer) to changes	No Foam A/B, BS-500; Surf-King Plus; Adjust, Buffer-Ten; New Balance
Colorant (dye)	Adds color to spray mix to aid in spray pattern detection	Turf Mark Blue & Green, Green Lawnger, Green Graphics; Blue Dye; Grass Greenzit; Finn Green Plus; Blazon; Gordon's Spray Colorant; H <sub>2</sub> O Blue; Mark-It Blue/Green/or Red; Red Dye; Signal; Signal Blue EZ Solupak; Signal Green EZ Solupak; Super Signal Blue/Green; Dy'on
Conditioning Agent	Water-softening agent for hard water	Perc-O-Late; Duke; Request; Spray-Start; Spectra Max Tank Mix; One-Ap XL; N-pHURIC GTO; PAL
Compatibility Agent	Aids in even distribution of incompatible products in a spray tank	MIX; Coblend ES; Blendex VHC; Compex; Convert
Crop Oil	Petroleum-based oils that increase spray penetration through plant leaf cuticle. Methylated seed oils (MSO) are plant-based crop oils.	CMR Herbicide Activator; Peptoil; Primary; Hygrade EC; JLB Oil Plus Majestic; Pure & Simple; Monterey MSO; Crop Oil Concentrate; Persist Ultra; Sunwet
Defoaming/Anti-foaming Agent	Minimizes foaming in the spray tank	Shakedown Liquid; Defoamer; NO FOAM A/B; Foam Buster; Fome-Kil; Concentrated Defoamer; Combat+; Anti-Foam; Ultra 90-NF; Knockdown; Foam-X
Drift-Control Agent (or thickeners)	Reduces spray drift by increasing spray droplet size	Drift Down; AMS Supreme; LOX; Bridle; Confine; Gravity; Spary Start; Ground Zero; STA-PUT; Jetwet DC; Nalco-Tro; Exactrol; MORE; Detain II; Border EG 250; Direct; SANAG 38-F; SANAG 41-A
Spreader/Sticker	An adjuvant that lowers water surface tension and increases spray droplet adherence to the leaf surface	ClearSpray T/O; NO FOAM B; CMR Silicone Surfactant; Pirene II; Surf-King Plus; Hyper-Active; Cohere; Induce; Bio-Film; Rocket DL; Ultra 90-NF; Umbrella; Silicone Super Wetter; Jetwet; Chem-Stik
Sticker/Deposition Agent	Increases adhesion (rain fastness) of spray droplet on plant surface	ClearSpray T/O; AMS Supreme; LOX; LOX Plus; Bind-It; Unbrella; Jetwet; Chem-Stik; Di-aqua
Surfactant/ Spreader/Wetting Agent	Surface-active agents that improves the emulsifying; dispersing, spreading, wetting or other properties of a liquid by modifying its surface characteristics. Wetting agent is a type of surfactant that improves the ability of water to penetrate water-repellent soils, thus, increases infiltration rates. Non-ionic surfactants do not ionize, thus, remain uncharged. These are unaffected by high water levels of Ca, Mg, or ferric ions and can be used in strong acid solutions.	Aqueduct; Dispatch; Primer Select; Sixteen 90; ClearSpray T/O; NO FOAM A/B; CMR Herbicide Activator; CMR Can-Hance; CMR Silicone Surfactant; Haf-Pynt; Sil-Fact; Surf AC820; Surf AC910; Thoroughbred; Joint Venture; Tournament-Ready; Granular; Hydro-Wet; Monterey AgResources; Rocket DL; Torpedo; Ultra 90-NF; Umbrella; Monterey MSO; Crop Oil Concentrate; Magnify; Silicone Super Wetter; Dura Wet; Naiad Liquid Wetting Agent/Pellets/Super Concentrate/Super Pellets/ Super Spreadable; Awuabond; Jetwet; Jetwet HL; Cascade Plus; Duplex; Magnus; Precision EZ Tabs; Oasis; Tension-Aid; Oasis Ultra; Agri-Dex; Aquatrols; Alleviate; Brilliance; Lesco Flow/Wet; Cascade; Cascade Plus; Cohort DC; Dura Wet; Genopol 26-L-80; Induce-F; Infiltrix; Jaf-Pynt; Jetwet HL; PsiMATRIC; EcoWet; Long-Term; Magic-Wet; Monterey AgResources; NoburnN; Pene-Turf; Rely/Rewet; Renex-30; Rocket DL; Short-Term; Surf Side 37A; Timberland 90Torpedo; X-77
Tank Cleaner	Cleans pesticide and fertilizer residues from spray tanks	Neutralize, Nutra-Sol; Tank Cleaner; CMR Pesticide Equipment Cleaner; Tank Cleaner; Tank Cleaner Dry Formulation; K-Klean Liquid Tank and Equipment Cleaner; Incide-Out; Nuway
Thickener	Increases spray droplet viscosity to reduce evaporation & allow more time for leaf absorption	Bridle; Confine; Gravity; First Watch Mosquito Larvicide & Pupacide; Jetwet DC