RZT®

2027 PRODUCT GUIDE



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RZT®

RZT Products was built for farmers looking for genuine value. A full line of adjuvants and biotechnology products designed to improve every application of plant protection products and plant nutrition with technology that adds value instead of just cost.

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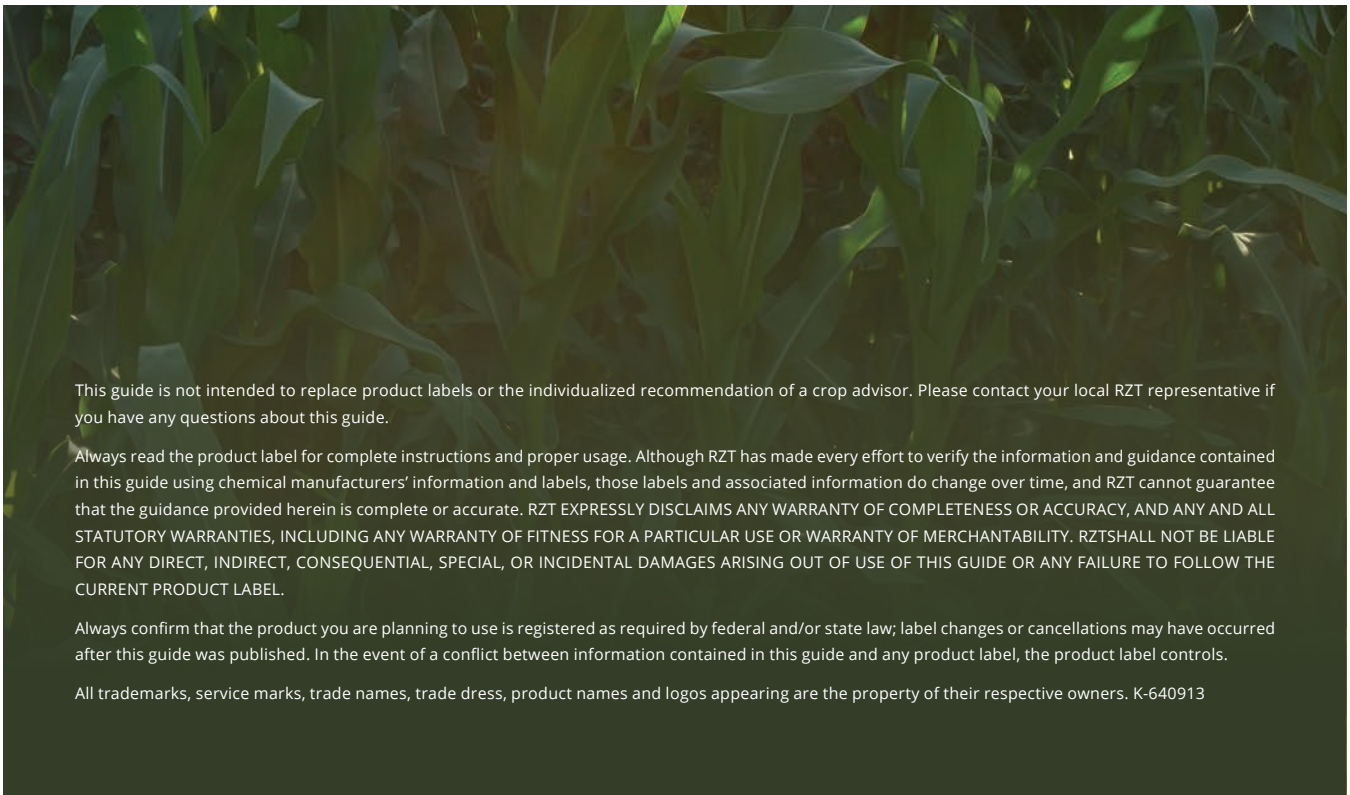
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This guide is not intended to replace product labels or the individualized recommendation of a crop advisor. Please contact your local RZT representative if you have any questions about this guide.

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Quick Reference

Product	Descriptor	Product Descriptions	Value Propositions	Positioning	Benefits	Rate
Aquaflux AMS	AMS-based water conditioner	An ammonium sulfate (AMS) solution that enhances the uptake of some postemergence herbicides. Aquaflux AMS is filtered through a special process to remove impurities and other contaminates generally associated with dry or other liquid AMS products.	Aquaflux AMS is designed for customers needing to condition their water and who appreciate the convenience of a concentrated liquid ammonium sulfate. Aquaflux AMS has demonstrated its effectiveness at conditioning water with high levels of dissolved salts of calcium, magnesium and/or iron that are known to be antagonistic to specific herbicides.	· Purified AMS for superior herbicide uptake	· Overcomes antagonism of salts in water to ensure optimal herbicide performance · Free of impurities for cleaner, more effective application · Formulated with a low corrosion factor to protect equipment and extend sprayer life	2.5 - 5 gal /100 gal
Cohesion	Deposition Aid Drift Reduction	Cohesion is a modifed seed oil formulated to aid in the deposition of spray droplets.	Cohesion utilzes proprietary technology and is designed for customer's that want to extend the residual activity from their pre-plant/pre-emergent chemistry. Cohesion helps to increase the spray deposits of the spray material allowing for better coverage and adhesion to the soil particles which results in enhanced control of early season weed pressures. Cohesion is for labeled for use in agriculture, forestry, golf course, industrial, non-cropland, roadside, turf and ornamental.	· Increase coverage · Better absorption · Improved adhesion · Drift Reduction	· Improves the residual activity of soil-applied herbicides · Increases deposition onto the intended target · Minimizes driftable fines	Soil Residual Activity 5-16 fl oz/A
Pentrol	COC	Paraffinic oil and surfactants (83/17)	Pentrol is designed for the customer making applications that recommend the addition of a crop oil concentrate. It provides the penetrating activity of a phytobland oil with the wetting and dispersing characteristic of a surfactant. Pentrol can be tank mixed with agricultural and industrial spray materials allowing for the greatest potential return on the application investment.	· Paraffinic oil	· Satisfies oil requirement	1 gal/100 gal
Resilience	MSO	100% modified vegetable oil/ surfactant blend.	Resilience is a 100% modified vegetable oil-surfactant blend formulated for customers applying herbicides that require the addition of a modified seed oil to enhance performance. It has wetting and penetrating properties to aid in the movement of the spray solution through a plant's waxy cuticle. It can be used in place of a nonionic surfactant and/or crop oil concentrate when the manufacturer's product label allows. Resilience is a quality modified seed oil that when used allows for the greatest potential return on the application investment.	· 100% modified vegetable oil	· Penetrates waxy cuticle · Consistent, stable emulsion	1 gal/100 gal
Vincero NIS	NIS	NPE-free nonionic surfactant used to improve the spreading and effectiveness of agricultural pesticides such as herbicides, insecticides, fungicides, and miticides.	Vincero NIS is designed for customer applications that require wetting and spreading of an active ingredient. Vincero NIS is built to perform like a 90/10 NIS but with an NPE-free surfactant, it will not cause arrested ear syndrome in corn. Vincero NIS also has a built in humectant, which keeps droplets in liquid form longer, allowing for more active ingredient uptake in the plant. Vincero NIS is an affordable and effective spreader-wetter.	· Nonionic surfactant	· Reduces surface tension · NPE-Free · Built in Humectant · Designed to perform like a 90/10 NIS	1 qt/100 gal

Product	Analysis	Product Benefits	Plant & Soil Benefits	Rate
12% Humic Acids	12% humic acid extracted from leonardite	· Concentrated humic acids	· Increase nutrient uptake · Increase water retention · Improves soil structure	Soil: 1-3 qt/A Foliar: 1-12 qt/A

Product	Principal Functioning Agents %	Equivalent Func. of 8.5# AMS	Actual AMS	Surfactant Type	Surfactant Content	Oil Type	Oil Content	Water Conditioner Func.	Built-In Tank Mix Defoamer	Mineral Antagonism Tie-Up	pH Effect	DRT	Deposition	Spreader	Sticker	Enhances Uptake	Invert Emulsion Suspension	Macro Emulsion	Micro Emulsion	NPE Free	Mixing Caution	Aquatic	WA Only Aquatic	Organic	CPDA Certified	Signal Word
Aquaflux AMS	38%	2.5 gal /100	8.5#	N/A	N/A	N/A	N/A	YES	NO	YES	NO	NO	NO	NO	NO	YES	NO	NO	NO	YES	N/A	NO	NO	NO	NO	None
Cohesion	100%	N/A	N/A	N/A	N/A	MSO	Proprietary	NO	NO	NO	NO	NO	YES	NO	NO	NO	NO	NO	YES	YES	N/A	NO	NO	NO	NO	Warning
Pentrol	100%	N/A	N/A	Nonionic	17%	COC	83	NO	YES	NO	NO	NO	NO	YES	NO	YES	NO	NO	NO	NO	N/A	NO	NO	NO	NO	Warning
Resilience	100%	N/A	N/A	Nonionic	15%	MSO	85	NO	NO	NO	NO	NO	NO	YES	NO	YES	NO	NO	NO	NO	N/A	YES	NO	NO	YES	Warning
Vincero NIS	20.8%	N/A	N/A	Blend of Anionic and Nonionic	Proprietary	N/A	N/A	NO	NO	NO	NO	NO	NO	YES	NO	YES	NO	NO	NO	YES	N/A	NO	NO	NO	NO	None

Product	N	P	K	Ca	Mg	S	B	Cu	Fe	Mn	Mo	Zn	Humic Acid	Fulvic	Salt out	Density	Kelp	pH	Preferred Application	Physical State
12% Humic Acids													12 Colorimetric		<32 F	8.7		8.7	Foliar, Irrigate, Soil	Liquid



AquaFlux™ AMS

Purified AMS for superior herbicide uptake

Use rate: **2.5-5 GAL/100**

AquaFlux™ AMS is an ammonium sulfate solution that improves the uptake of some post-emergence herbicides. **AquaFlux AMS** is filtered through a special process to remove impurities and other contaminates generally associated with dry or other liquid AMS products.

FEATURES AND BENEFITS

- Overcomes antagonism of salts in water to ensure optimal herbicide performance
- Free of impurities for cleaner, more effective application
- Formulated with a low corrosion factor to protect equipment and extend sprayer life
- Low corrosion factor, reducing wear and tear on spray nozzles for consistent application
- Easy to handle and mix, ensuring efficient operation in the field
- NPE free

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Cohesion™

Optimize Soil-Applied Herbicide Performance

Cohesion™ utilizes proprietary technology and is designed for customers who want to optimize residual activity from their pre-plant/preemergent chemistry. **Cohesion** helps to increase spray deposits, resulting in more uniform and better coverage. Once on the soil, the **Cohesion** results in adhesion of the preemergent to the soil, keeping it concentrated in the surface where it provides for longer weed control than the herbicide alone.

In-Season Applications: Drift Reduction: ***4 FL OZ/A***

Post-Season Applications: ***8-16 FL OZ/A***

When mixing products, it's generally recommended to add Cohesion last.

FEATURES AND BENEFITS

- Greater herbicide soil retention leading to improved residual weed control
- Increased soil deposition creating better coverage
- Excellent soil absorption and adhesion properties
- Excellent tank mix compatibility

Seeing is Believing

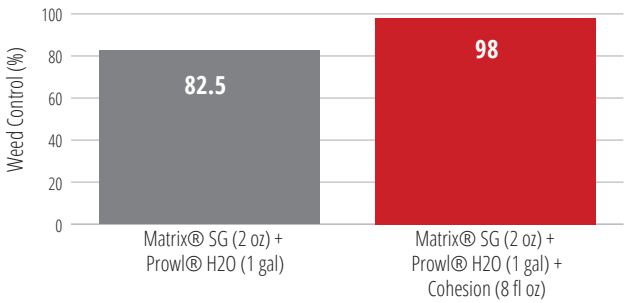


Matrix® SG + Prowl® H2O | Matrix® SG + Prowl® H2O + Cohesion

Less weeds are present in the trial block with **Cohesion** added in the Matrix + Prowl tank mix.

Improve Weed Control With Cohesion

Fall Herbicide on Honeycrisp Apples 148 DAT



Manson, WA CCR20A012CN5101

By adding **Cohesion** to the tank mix, weed control increased by 18.78%.

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Pentrol®

A Crop Oil Concentrate

Use rate: **1-8 PT/AC**

Designed to combine the penetrating activity of a phytobland oil with the wetting and dispersing characteristics of a surfactant, **Pentrol®** increases the efficiency of certain herbicides in post-emergent applications. Its wetting characteristics allow the herbicide more time to absorb into the plant.

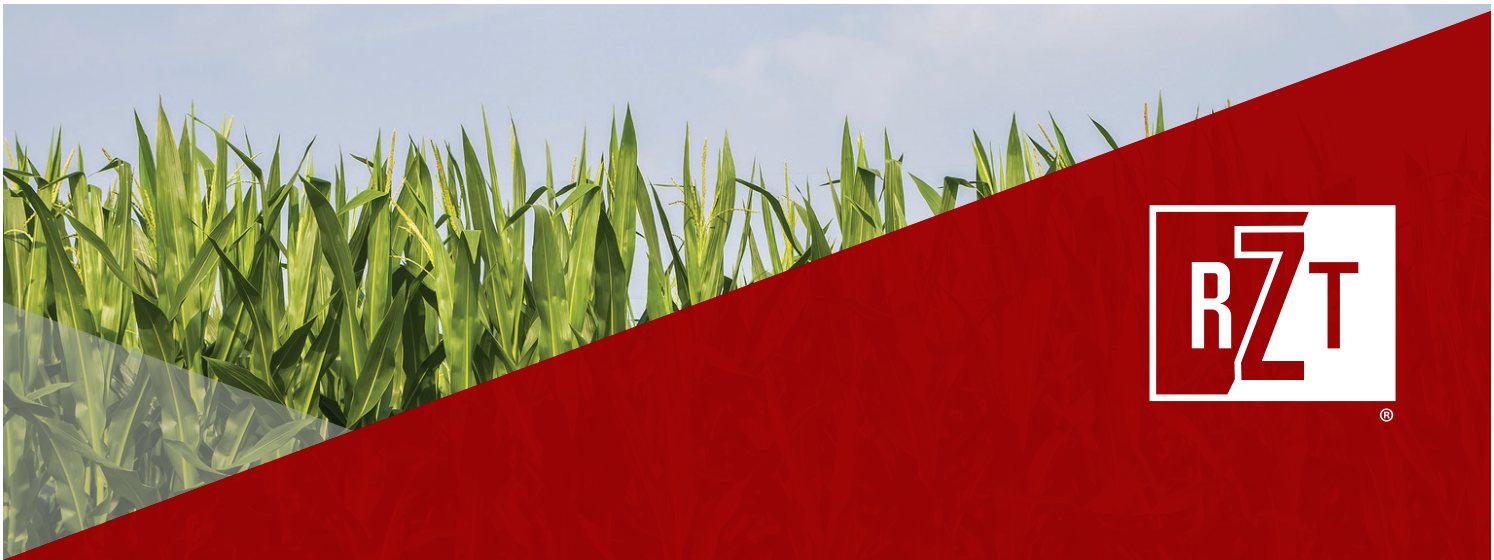
FEATURES AND BENEFITS

- Ensures better herbicide coverage
- Improves herbicide absorption into the plant
- Helps penetrate the waxy cuticle layer on the leaf
- Better, more thorough weed kill
- Recommended with a wide range of herbicides

Pentrol is not for aquatic use. Always read and follow label instructions before use.

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Resilience®

A 100% Modified Vegetable Oil

Use rate: **1-2 PT/AC**

Resilience® aids the penetration of herbicides through a plant's waxy cuticle. It may be used in place of a crop oil concentrate in spray mixtures. When used as directed, **Resilience** maximizes the activity of certain herbicides.

FEATURES AND BENEFITS

- Enhances herbicide application
- Excellent wetting and penetration
- Use in place of crop oil concentrate
- Quicker breakdown of the plant's waxy layer
- Consistent, stable emulsion

Resilience is not for aquatic use. Always read and follow label instructions before use.

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Vincero® NIS

Nonionic Surfactant to Improve the Spreading and Wetting Effectiveness of Herbicides, Insecticides, and Fungicides

Use rate: **8-64** FL OZ/100

Vincero® NIS is designed for customer applications that require wetting and spreading of an active ingredient. **Vincero NIS** is built to perform like a 90/10 NIS but with an NPE-free surfactant, it will not cause arrested ear syndrome in corn. **Vincero NIS** also has a built in humectant, which keeps droplets in liquid form longer, allowing for more active ingredient uptake in the plant. **Vincero NIS** is an affordable and effective spreader-wetter.

FEATURES AND BENEFITS

- Reduces surface tension
- Allows active ingredient to spread more uniformly
- Nonionic surfactant
- Increased spreading across leaf surface, better coverage
- NPE free

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12% Humic Acids

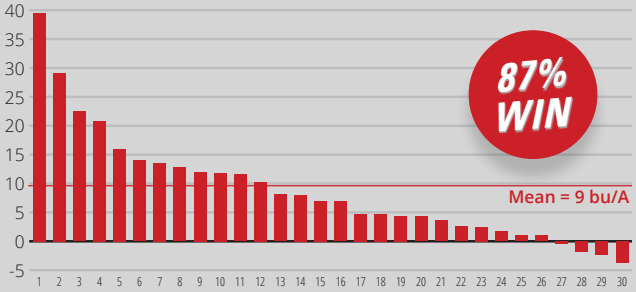
Give Your Crops and Fertilizer a Boost

12% Humic Acids boost production of your soil and fertilizer with long-chain, reactive carbon and fulvic molecules that increase nutrient availability, and uptake. Apply with polyphosphate, orthophosphate, UAN and most liquid fertilizers. **12% Humic Acids** is a weak alkaline solution and may change the pH of certain solutions. You can use a weak acid to reduce the pH of this spray solution. May be applied with several types of irrigation water systems.

SYNERGIZE YOUR STARTER

Decoder + Humic Acids 12% In-Furrow

Corn Yield Response (bu/A)



Replicated, third party research

Rate = 1 pt/A + 1 pt/A

12% Humic Acids + Decoder™ gives growers more growing power. This power couple helps soil stay healthy and increase yields. **12% Humic Acids** releases and holds nutrients in the soil, promotes plant vigor and improves yields. The refined, clean formulation of **12% Humic Acids** not only unleashes your crop's potential, but reduces common application issues with sediments associated with less enhanced humic acid products.

Not registered for use in CA.

Foliar applications: **1-3 QT/A**

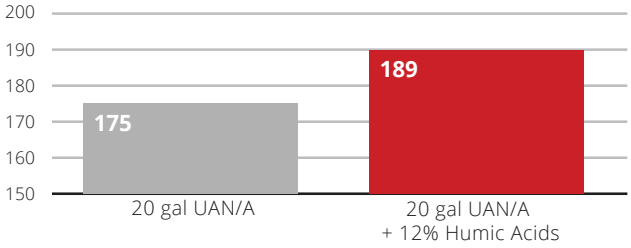
Soil applications: **1-4 QT/A**

FEATURES AND BENEFITS

- May be applied to most crops
- May be used for organic production
- Readily dispersed in most fertilizer products
- May be applied with irrigation water systems

ENHANCE YOUR NITROGEN

Corn Yield (bu/A) at Harvest



Corn in Wharton, TX | 2018

UAN applied in-season as a side-dress. Replicated, third party research

PDF187004TX48

GUARANTEED ANALYSIS

12.00% Humic Acids from Leonardite
88.00% Inert Ingredients

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