

2025-2026

start finish²[®]

SPECIALITY CROPS

A comprehensive liquid fertilizer system
powered by Bio-K[®] to maximize your crop's potential

NACHURS[®]



Always the innovator, never the imitator.[®]

POWERED BY
bio-K[®]



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Social



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About NACHURS®

NACHURS® is a liquid fertilizer brand that has revolutionized farming practices since 1946. Offering high quality precision-placed, seed-safe liquid starters and the latest technologies to maximize crop potential. NACHURS Start2Finish® program offers flexible in-furrow, banded, fertigation, strip-till, sidedress, and foliar applications.

With seven manufacturing locations across North America, NACHURS® is well positioned to service the growing market and help growers maximize their crop's potential.



**nutrient
stewardship
PARTNER**

A Concept Of The International
Plant Nutrient Institute (IPNI)



RIGHT SOURCE

Matches fertilizer type
to crop needs.



RIGHT RATE

Matches amount
of fertilizer to crop needs.



RIGHT TIME

Makes nutrients available
when crops need them.



RIGHT PLACE

Keeps nutrients where
crops can use them.

✓ **RIGHT SOURCE**

NACHURS® Liquid Fertilizers are manufactured with the highest quality raw materials at six locations throughout North America since 1946.

✓ **RIGHT RATE**

Seed safe at recommended rates, NACHURS® products have a low salt index and are non-corrosive. Each drop has the exact same ratio or percentage of nutrients.

✓ **RIGHT TIME**

NACHURS® efficiently delivers nutrients to the growing crop, and mixes well with many pesticides for quicker emergence and superior control in one application.

✓ **RIGHT PLACE**

NACHURS® liquid starter fertilizers are safe when placed directly on the seed and will not harm germination. PROVEN PERFORMER.

Generations of America's farmers have used NACHURS® liquid fertilizers because it is a quality brand they can trust. NACHURS Bio-K® products offer the latest technology advancements farmers need to take their crops to the next level.

start finish²

The NACHURS
Bio-K® System
for Maximizing Crop Yields

Simple yet effective,
profitable yet sustainable,
Start2Finish®
is a comprehensive liquid
fertilizer system to maximize
your crop's potential.

Patented Technology Overview



NACHURS® Bio-K® is a premium source of potassium fertilizer combined with a natural plant metabolite; the most effective and efficient source of potassium. Using Bio-K® technology results in quicker germination, improved root development, and an elevated abiotic stress tolerance; leading to better plant establishment, more vigorous growth, and higher yields.



NACHURS® Aqua-Tech® is a unique polyamine technology that allows for greater plant productivity through fertigation systems, delivering highly available low-salt nutrients safely and precisely. Offering much flexibility, Aqua-Tech® products can be used in-furrow and foliar on a variety of crops. Aqua-Tech® contains NACHURS® Bio-K® technology which ultimately leads to better plant establishment, more vigorous growth, and higher yields.



NACHURS® Rhizo-Link® is a Proprietary Plant Growth Promoting Rhizobacteria (PGPR) technology, delivering the highest concentration of multi-strain, pure culture rhizobacteria. This technology ultimately leads to increased soil and plant health benefits resulting in maximum and sustainable yield potential.

NACHURS® Bio-K® Story

THE PROBLEM

An alarming trend of declining potassium levels and lack of availability at key demand times.

THE RESULT

With the combination of higher yields, newer genetics, production practices, reduced tillage, and decreasing potassium levels in your soil, farmers are jeopardizing plant structure, plant health and stress tolerance which negatively affects yield potential, decreases harvest efficiency and profitability.

THE SOLUTION



NACHURS® innovative potassium technology Bio-K® will address these costly issues. NACHURS Bio-K® is a proven technology that is more efficient and readily taken up by the plant better than any other potassium source in the market today.

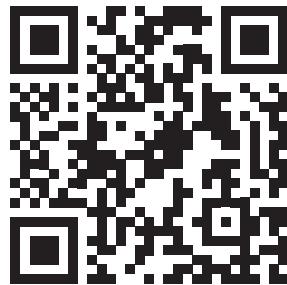
Farmer Benefits

- Multiple application methods
- Non-corrosive to equipment
- Mixability with crop protection products
- Product flexibility

Crop Benefits

- Seed safe
- Improves nutrient use efficiency
- Improves plant health and stress
- Highest K solubility
- Reduces water loss and wilting
- Increases photosynthesis
- Balanced plant nutrition

Scan the QR code to learn more about NACHURS® Bio-K®!



Strategic Applied Fertilizer: Reallocation

Maximizing Return on Investment (ROI) begins with prudent use of crop nutrients; placing the most effective form of nutrient at the most impactful site.

Shifting inputs from less effective products to more efficient products positioned where the plant can make better use of the input adds value to both production and spending efficiency.

When considering reallocation, one must first position all the applications that offer the greatest impact on the crop (i.e. in-furrow, foliar, sidedress) then finish up the nutrient budget with the less effective products such as broadcast dry granule fertilizers.

High impact treatments target Periods of Influence when nutrients are needed most for critical activities such as stand establishment, early vegetation and plant vigor, sound plant structure, stress mitigation, and reproductive efficiency and finally, grain fill and maturation.

NACHURS Start2Finish program is designed to position high performance products during application periods; designed to supply nutrient during critical demand periods.

start finish²®

The NACHURS® Bio-K® System For Speciality Crops

In every cycle of growth and for nearly every crop, there are opportunities within the growth cycle where we can have influence on crop production, whether it be to support a component of growth during a peak nutrient demand or responding to an induced deficiency. Experience has taught us that there are traditionally four periods within the growth cycle where we can make treatments that will positively influence crop development and ultimately improve the crops marketable value. If we focus on these four periods when we approach the development of a nutrient plan or when we plan a treatment we can increase the effectiveness of our application and have a better opportunity to reach our desired result.



Establishment

Transplant solution and/or starters can establish quick rooting and vigorous growth



Vegetative

Based on discovery and crop requirements, build a drip program addressing the bulk of the nutrient requirement supporting growth and reproduction.



Flower & Fruit Set

Focus your effort on continued plant health, stress mitigation and fruit development



Fruit Finish

The key to good production, higher quality and crop integrity is all about plant health, cellular integrity, the development of solids and desired attributes such as color, flavor, aroma and shelf life.



Starters

Bed/Row placed starters offer more available nutrient for young plants even in the most challenging soil conditions; promoting plant vigor for early vegetative growth and a better foundation for reproduction and fruit development. **NACHURS Rhyzo-Link® PE** and our **NACHURS Triple Option®** premium starters make great crop safe choices for most crops.



Transplant Solutions

Transplant solutions promote strong plant structure and plant health from the very beginning. Healthy plants mean a quicker establishment with fewer replants. NACHURS, with our Rhyzo-Link® and Bio-K® technologies provide a number of options to create a transplant solution right for your crop, application method and environment.



Fertigation/Drip Mixes

Balanced fertility can be delivered frequently matching delivery to plant uptake; maximizing nutrient utility and timing of application. Choosing from the traditional and premium lines of products growers can make up a variety of blends for fertigation bringing nutrient delivery, efficiency and performance to any core nutrient program.





Sidedress

NACHURS offers options that add value to any traditional nitrogen application. Growers have choices today with **NACHURS K-flex® MAX** and **NACHURS K-flex®**, adding another option to bring the additional advantages of the Bio-K line into production.



Foliar

Foliar applications can be highly effective when built in to nutrient management programs. Foliar applications allow growers to be responsive to changing environmental and plant conditions while targeting precise treatments for induced nutrient deficiencies or crop demand during critical growth periods. NACHURS offers a number of foliar options beginning with **NACHURS Finish Line®** alone or combined with products like **NACHURS Triple Option®**, **NACHURS K-fuel®** and **NACHURS K-flex®**.



▲ Greenhouse Production

Providing flexibility in nutrient content with superior product quality and crop safety, NACHURS offers growers a wide scope of options for blending drip mixes while combining foliar options to create a total nutrient program for most crops.

Tree Crops

Utilizing all the above advantages, NACHURS offer growers of tree fruit and nut crops options for fertigation and foliar applications that meet core nutrient and micronutrient demands of most crops.



NACHURS®



Maximizing Your Specialty Crops

Using NACHURS Products

start
finish²®

POWERED BY
bio-K[®]

Maximizing Almond

Crop Stage	Product	Rates	Agronomics Discussions	
Bloom-Petal Fall	NACHURS Finish Line®	2–4 qt/ac		
Lead Out- With First Fertigation	NACHURS Triple Option®	3 gal/ac		
Kernel Fill	NACHURS K-fuel®	2–3 gal/ac		
Hull Split	NACHURS K-fuel®	4–6 qt/ac		
Post-Harvest Soil	NACHURS Triple Option®	3 gal/ac		
	<i>Additional Options:</i>			
	NACHURS CropMax®	1 qt/ac		
	NACHURS Rhyzo-Link® PE	1 qt/ac		
Post-Harvest Foliar	NACHURS K-fuel®	2–4 qt/ac		
	<i>Additional Options:</i>			
	NACHURS® 10% Boron	1 qt/ac		
	NACHURS® 9% Zn EDTA	1 qt/ac		

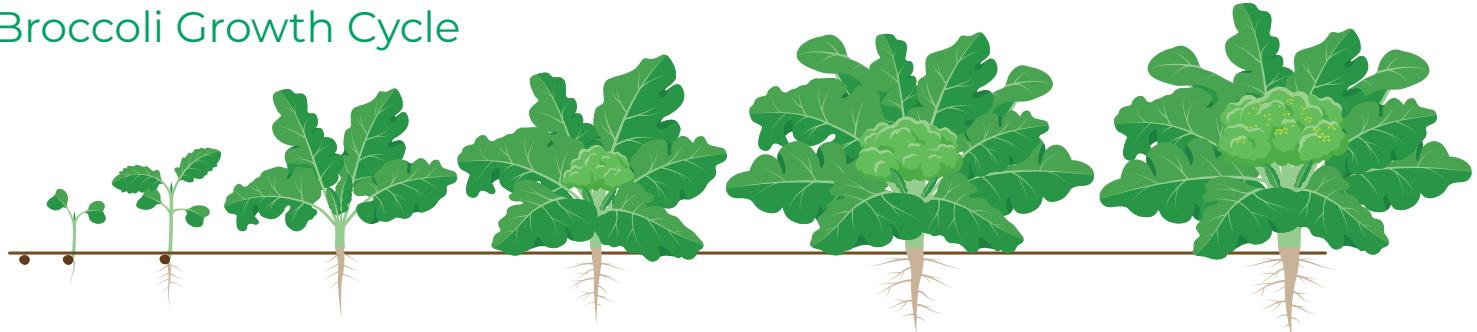


Notes

Maximizing Brassica

Crop Stage	Product	Rates	Agronomics Discussions	
At Planting	NACHURS Green Flag®	1–2 gal/ac		
	NACHURS Rhyzo-Link® PE	1 pt/ac		
	NACHURS® 2.5% Mg EDTA	1–2 pt/ac		
	<i>Additional Options:</i>			
	NACHURS Aqua-Tech® 7-20-4	2–4 gal/ac		
	NACHURS® 10% Boron	1–2 pt/ac		
Sidedress at Thinning	NACHURS K-fuel®	1–2 gal/ac		
	NACHURS® 3% Ca EDTA	1–2 pt/ac		
	NACHURS NocKout®	4–6 qt/ac		
	<i>Additional Options:</i>			
	NACHURS Finish Line®	1 qt/ac		
	NACHURS imPulse®	1–2 gal/ac		
4–6 Weeks after Last Application	NACHURS K-fuel®	1–2 gal/ac		
	NACHURS® 3% Ca EDTA	1–2 pt/ac		
	NACHURS NocKout®	4–6 qt/ac		
	<i>Additional Options:</i>			
	NACHURS Finish Line®	1 qt/ac		
	NACHURS imPulse®	1–2 gal/ac		

Broccoli Growth Cycle



Notes

Maximizing Blueberry

Crop Stage	Product	Rates
<i>Soil / Fertigation Application</i>		
Spring Bud Break	NACHURS Humi-flex® MAX	1 qt/ac
	NACHURS Rhyzo-Link® PE	1 pt/ac
	NACHURS Triple Option®	10 gal/ac
	NACHURS CropMax®	1 qt/ac
	NACHURS SRN®	2 gal/ac
	NACHURS K-fuel®	2 gal/ac
	<i>Additional Options; Foliar</i>	
Early to Mid Bloom	NACHURS Finish Line®	1 qt/ac
	NACHURS® 10% Boron	1 pt/ac
	<i>Soil / Fertigation Application</i>	
	NACHURS Triple Option®	10 gal/ac
	NACHURS Humi-flex® MAX	1 qt/ac
	NACHURS Rhyzo-Link® PE	1 pt/ac
	NACHURS SRN®	2 gal/ac
Post Harvest Application	NACHURS CropMax®	1 qt/ac
	NACHURS Finish Line®	2 qt/ac
	<i>Additional Options; Foliar</i>	
	NACHURS® 10% Boron	1 pt/ac
	NACHURS Finish Line®	1 qt/ac
	<i>Additional Options; Foliar</i>	
	NACHURS K-fuel®	2 gal/ac

Crop Stage	Product	Rates
<i>Soil / Fertigation Application</i>		
Late Bloom	NACHURS Triple Option®	10 gal/ac
	NACHURS K-fuel®	2 gal/ac
	NACHURS Humi-flex® MAX	1 qt/ac
	NACHURS SRN®	2 gal/ac
	<i>Additional Options; Foliar</i>	
	NACHURS® 10% Boron	1 pt/ac
	NACHURS Finish Line®	1 qt/ac
Green Fruit to Coloring	NACHURS Triple Option®	1 gal/ac
	<i>Soil / Fertigation Application</i>	
	NACHURS Rhyzo-Link® PE	1 pt/ac
	NACHURS K-fuel®	5 gal/ac
	NACHURS Humi-flex® MAX	1 qt/ac
	NACHURS® 10% Boron	1 qt/ac
	<i>Additional Options; Foliar</i>	
Post Harvest Application	NACHURS K-fuel®	2 gal/ac
	<i>Soil / Fertigation Application</i>	
	NACHURS Humi-flex® MAX	1 qt/ac
	NACHURS Rhyzo-Link® PE	1 pt/ac
	NACHURS K-fuel®	5 gal/ac
	NACHURS Triple Option®	5 gal/ac
	NACHURS CropMax®	1 qt/ac
Additional Options; Foliar	<i>Additional Options; Foliar</i>	
	NACHURS K-fuel®	2 gal/ac
	NACHURS CropMax®	1 qt/ac
	<i>Additional Options; Foliar</i>	
	NACHURS K-fuel®	2 gal/ac
	NACHURS CropMax®	1 qt/ac
	<i>Additional Options; Foliar</i>	

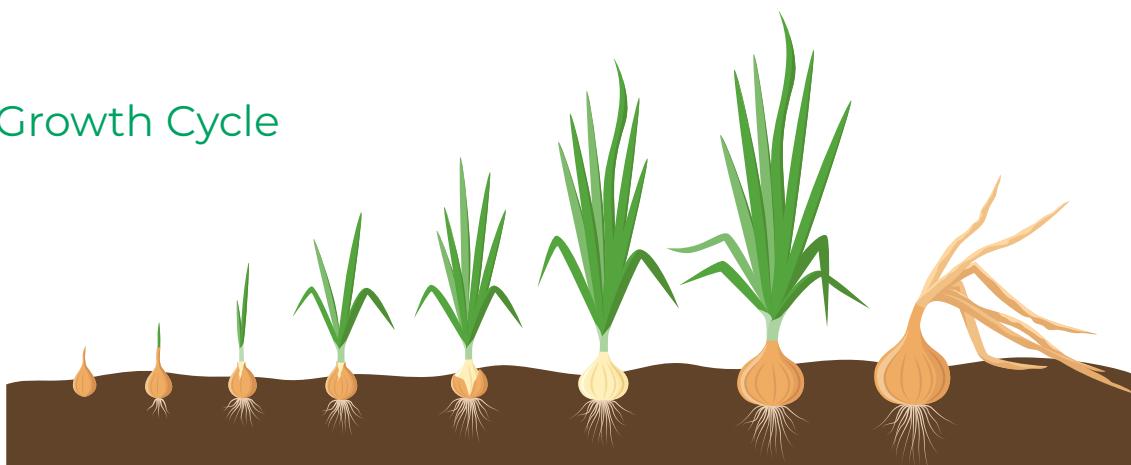


Notes

Maximizing Bulb Vegetable

Crop Stage	Product	Rates	Crop Stage	Product	Rates	
Bed Prep	NACHURS Rhizo-Link® PE	1 pt/ac	5-7 Leaf	NACHURS Triple Option®	1–2 gal/ac	
	NACHURS K-fuel®	0.5–5 gal/ac		NACHURS CropMax®	1–2 pt/ac	
	NACHURS Green Flag®	1–2 gal/ac		NACHURS® 3% Ca EDTA	1–2 pt/ac	
	Additional Options:			NACHURS® 2.5% Mg EDTA	1–2 pt/ac	
	NACHURS CropMax®	1–2 pt/ac		Additional Options:		
	NACHURS Finish Line®	1–2 qt/ac		NACHURS imPulse®	1–2 gal/ac	
	NACHURS K-flex®	0.5–5 gal/ac		NACHURS Green Flag®	2 gal/ac	
	NACHURS Green Flag®			NACHURS K-fuel®	0.5–5 gal/ac	
	NACHURS K-fuel®	0.5–5 gal/ac		NACHURS CropMax®	1–2 pt/ac	
Planting/Transplanting	NACHURS CropMax®	1–2 pt/ac		NACHURS Triple Option®	1–2 gal/ac	
	Additional Options:			NACHURS® 3% Ca EDTA	1–2 pt/ac	
	NACHURS® 3% Ca EDTA	1–2 pt/ac		Additional Options:		
	NACHURS® 2.5% Mg EDTA	1–2 pt/ac		NACHURS Green Flag®	2 gal/ac	
	NACHURS Green Flag®	1–2 gal/ac		NACHURS Finish Line®	1–2 qt/ac	
	NACHURS Finish Line®	1–2 qt/ac		NACHURS K-flex®	2–12 qt/ac	
	NACHURS K-flex®	0.5–5 gal/ac		NACHURS® 2.5% Mg EDTA	1–2 pt/ac	
	NACHURS Triple Option®			NACHURS K-fuel®	0.5–5 gal/ac	
	NACHURS K-fuel®	0.5–5 gal/ac		NACHURS CropMax®	1–2 pt/ac	
Bulb Formation up to Bulb Thickening	NACHURS CropMax®	1–2 pt/ac		Additional Options:		
	Additional Options:			NACHURS Finish Line®	1–2 qt/ac	
	NACHURS Green Flag®	2 gal/ac		NACHURS K-flex®	2–12 qt/ac	
	NACHURS Finish Line®	1–2 qt/ac		NACHURS® 2.5% Mg EDTA	1–2 pt/ac	
	NACHURS K-flex®	2–12 qt/ac		NACHURS Triple Option®		
Bulb Bulking	NACHURS® 2.5% Mg EDTA	1–2 pt/ac		NACHURS K-fuel®	0.5–5 gal/ac	
	NACHURS Triple Option®	1–2 gal/ac		NACHURS CropMax®	1–2 pt/ac	
	NACHURS K-fuel®	0.5–5 gal/ac		Additional Options:		
	NACHURS CropMax®	1–2 pt/ac		NACHURS Finish Line®	1–2 qt/ac	
	Additional Options:			NACHURS K-flex®	2–12 qt/ac	

Onion Growth Cycle

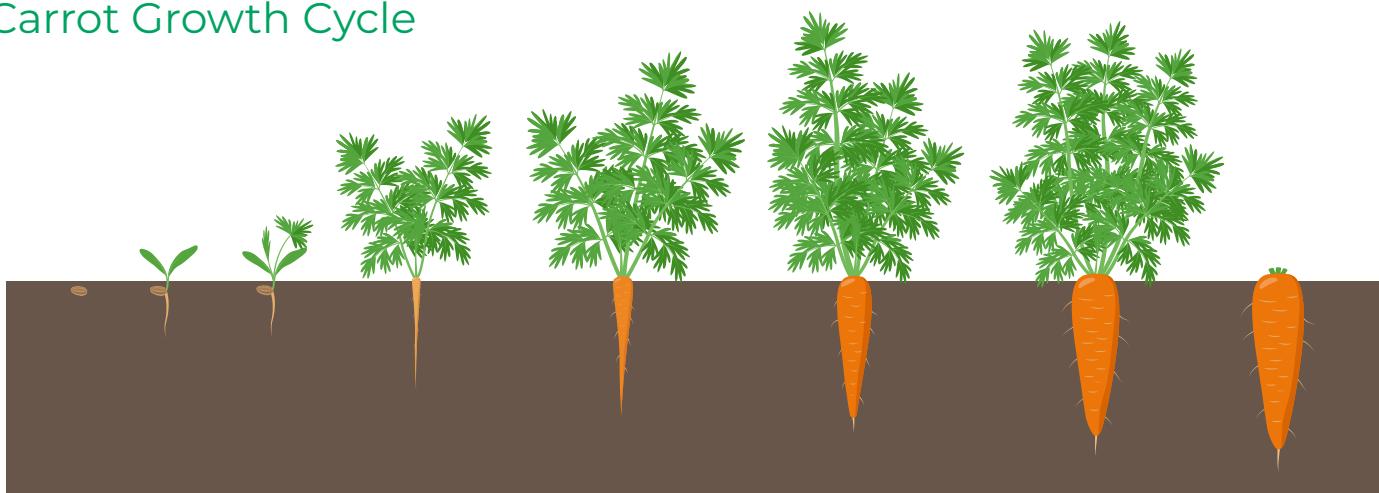


Notes

Maximizing Carrot

Crop Stage	Product	Rates	Agronomics Discussions	
Plant/Transplant	NACHURS imPulse®	1–2 gal/ac		
	NACHURS CropMax®	1 qt/ac		
	NACHURS Rhyzo-Link® PE	1 pt/ac		
	<i>Additional Options:</i>			
	NACHURS Green Flag®	1–2 gal/ac		
4-6"	NACHURS imPulse®	1–2 gal/ac		
	NACHURS CropMax®	1 qt/ac		
	NACHURS® 3% Ca EDTA	1–2 pt/ac		
	<i>Additional Options:</i>			
	NACHURS K-fuel®	1–2 gal/ac		
2-3 Weeks Prior to Harvest	NACHURS Triple Option®	1–2 gal/ac		
	NACHURS CropMax®	1 qt/ac		
	NACHURS® 3% Ca EDTA	1–2 pt/ac		
	<i>Additional Options:</i>			
	NACHURS K-fuel®	1–2 gal/ac		

Carrot Growth Cycle

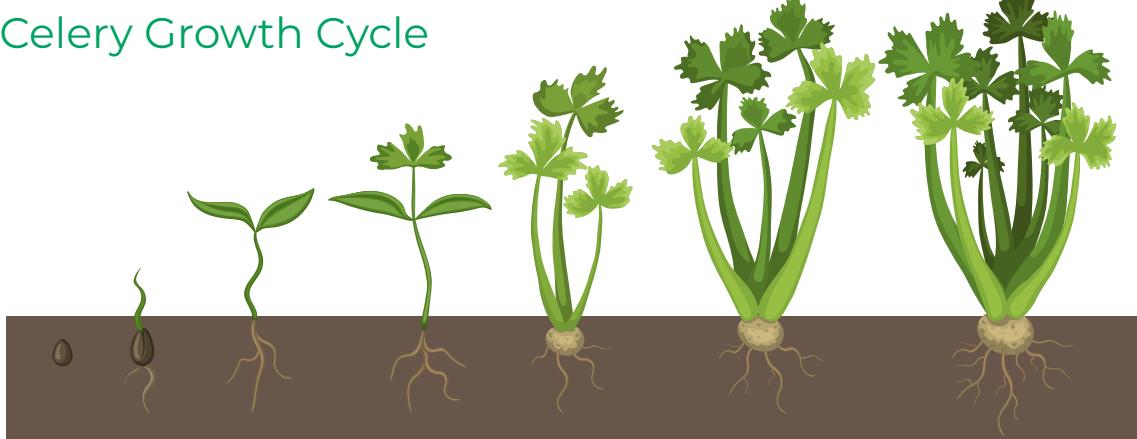


Notes

Maximizing Celery

Crop Stage	Product	Rates	Agronomics Discussions	
Transplant	NACHURS Green Flag®	1–2 gal/ac		
	NACHURS CropMax®	1–2 pt/ac		
	<i>Additional Options:</i>			
	NACHURS imPulse®	1–2 gal/ac		
Root Establishment	NACHURS Green Flag®	1–2 gal/ac		
	NACHURS® 3% Ca EDTA	1–3 pt/ac		
	NACHURS K-fuel®	2 gal/ac		
	<i>Additional Options:</i>			
	NACHURS imPulse®	1–2 gal/ac		
Vegetative	NACHURS CRN-B®	0.5–2 gal/ac	<i>Make 3 – 7 in-season applications per crop based off tissue sample results.</i>	
	NACHURS Green Flag®	1–2 gal/ac		
	NACHURS CropMax®	1 pt/ac		
	NACHURS® 3% Ca EDTA	1–3 pt/ac		
	<i>Additional Options:</i>			
	NACHURS imPulse®	1–2 gal/ac		
Heading	NACHURS K-fuel®	2 gal/ac		
	NACHURS CropMax®	2 pt/ac		
	<i>Additional Options:</i>			
	NACHURS Green Flag®	1–2 gal/ac		
Maturity	NACHURS CropMax®	1–2 pt/ac		

Celery Growth Cycle



Maximizing Citrus

Crop Stage	Product	Rates	Agronomics Discussions
Transplant	NACHURS Triple Option®	3 gal/ac	<i>Fertigation</i>
	NACHURS CropMax®	1 qt/ac	
	NACHURS Rhyzo-Link® PE	1 pt/ac	
Four Weeks After Transplant	NACHURS Triple Option®	1 gal/ac	<i>Foliar</i>
	NACHURS Finish Line®	1–2 qt/ac	
Topping	NACHURS K-fuel®	2–4 qt/ac	<i>Foliar</i> - Multiple foliar applications can be made as needed.
	NACHURS K-fuel®	3 gal/ac	<i>Fertigation</i> - Multiple applications needed as tissues indicate.



Notes

Maximizing Cranberry

Crop Stage	Product	Rates
Breaking Dormancy/ Wake Up	NACHURS Triple Option®	1.5 gal/ac
	NACHURS K-fuel®	0.5–1 gal/ac
	NACHURS CropMax®	1 qt/ac
	NACHURS Rhizo-Link® PE	1 pt/ac
	<i>Additional Options:</i>	
	NACHURS K-flex®	1 gal/ac
	NACHURS Finish Line®	1 qt/ac
	NACHURS Humi-flex® MAX	1 gal/ac
	NACHURS® 10% Molybdenum	1 oz/ac
	NACHURS® 10% Boron	1 pt/ac
Early Growth to Hooking	NACHURS Triple Option®	1–2 gal/ac
	NACHURS K-fuel®	1–2 pt/ac
	NACHURS Finish Line®	1 qt/ac
	NACHURS® 10% Boron	1 pt/ac
	<i>Additional Options:</i>	
	NACHURS Aqua-Tech® 2-0-20-8S	1–2 pt/ac
	NACHURS K-flex®	1 gal/ac
	NACHURS® 3% Ca EDTA	1–2 pt/ac
	NACHURS CropMax®	1–2 pt/ac



Crop Stage	Product	Rates
Fruit Set	NACHURS Triple Option®	1–2 gal/ac
	NACHURS K-fuel®	1–2 pt/ac
	NACHURS Finish Line®	1 qt/ac
	<i>Additional Options:</i>	
	NACHURS CropMax®	1–2 pt/ac
	NACHURS® 10% Boron	1 pt/ac
	NACHURS K-fuel®	1–2 gal/ac
	NACHURS Finish Line®	1 qt/ac
	<i>Additional Options:</i>	
	NACHURS K-flex®	1 gal/ac
Size Up	NACHURS CropMax®	1–2 pt/ac
	NACHURS® 3% Ca EDTA	1–2 pt/ac
	NACHURS® 10% Boron	1 pt/ac

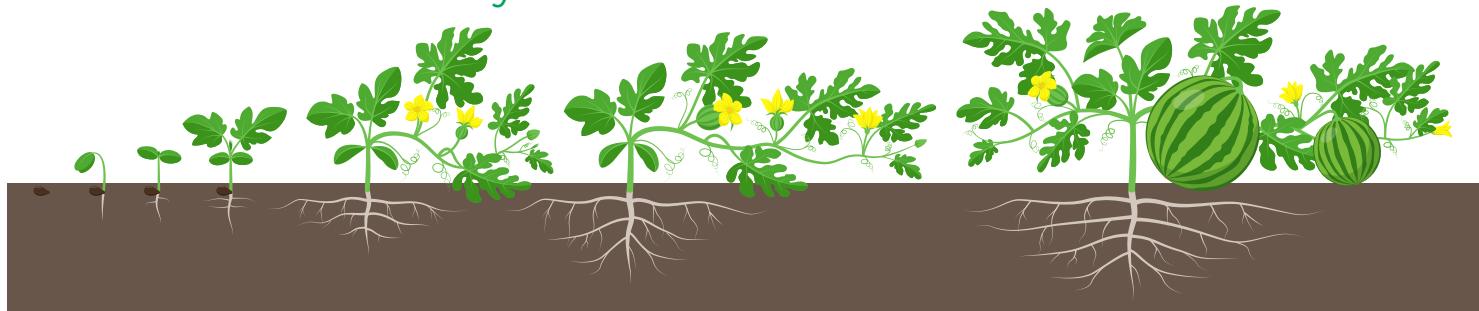


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Maximizing Cucurbit

Crop Stage	Product	Rates	Agronomics Discussions	
Pre-Plant or At-Plant	NACHURS CropMax®	1 qt/ac		
	NACHURS Rhyzo-Link® PE	1 pt/ac		
	NACHURS Triple Option®	1–2 gal/ac		
	Additional Options:			
	NACHURS K-fuel®	1–2 gal/ac		
	NACHURS imPulse®	1–2 gal/ac		
First Flower/Blossom/Flop	NACHURS Triple Option®	1 gal/ac	Apply in sidedress band, foliar or through irrigation. *For Cucumbers: Make another application of NACHURS K-fuel® @ 1 gal/ac and NACHURS Finish Line® @ 1 qt/ac	
	NACHURS Finish Line®	1 qt/ac		
	NACHURS K-fuel®	1 gal/ac		
	Additional Options:			
	NACHURS imPulse®	1–2 gal/ac		
First Fruit	NACHURS K-fuel®	1.5 gal/ac	Apply in sidedress band, foliar or through irrigation *Apply IF significant amounts of rainfall have leached out nutrients or tissue test recommend. **Add NACHURS Triple Option® for gourds (pumpkins, squash, etc.) OPTIONAL on melons	
	NACHURS Finish Line®	1 qt/ac		
	NACHURS Triple Option®	2 qt/ac		
10 Days - 2 Weeks after First Fruit	NACHURS K-fuel®	1 gal/ac		
	NACHURS Finish Line®	1 qt/ac		

Watermelon Growth Cycle



Notes

Maximizing Dry Bean

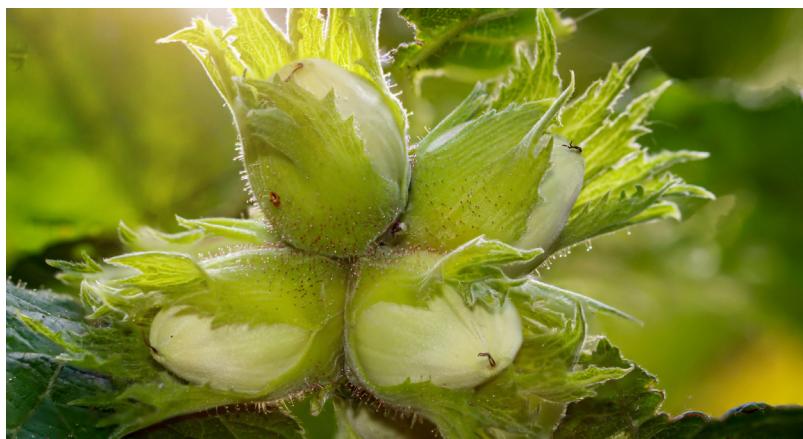
Crop Stage	Product	Rates	Agronomics Discussions	
At Plant (Banded)	NACHURS Rhyzo-Link® PE	1 pt/ac		
	NACHURS Green Flag®	2 gal/ac		
	<i>Additional Options:</i>			
	NACHURS First Down®	2–5 gal/ac		
V2; 2nd Trifoliate	NACHURS Balance®	1–2 gal/ac		
	NACHURS Finish Line®	1 qt/ac		
	<i>Additional Options:</i>			
	NACHURS® 9% Zn EDTA	1–2 pt/ac		
	NACHURS Face Off®	1–2 pt/ac		
V(n)-V5; Prior to Vining	NACHURS® 4.5% Fe EDTA	1–2 pt/ac		
	NACHURS CropMax®	1–2 pt/ac		
R4-R6; Prior to Top Pod Fill	NACHURS® 4.5% Fe EDTA	1 pt/ac		



Notes

Maximizing Filbert

Crop Stage	Product	Rates	Agronomics Discussions
Early Nut Fill Foliar	NACHURS K-fuel®	2 gal/ac	
	NACHURS® 10% Boron	1 pt/ac	
	NACHURS CropMax®	1 pt/ac	
Mid Season Nut Fill Foliar	NACHURS K-fuel®	2 gal/ac	
	NACHURS CropMax®	1 pt/ac	
	NACHURS® 10% Boron	1 pt/ac	
Spring Fertigation/ Microsprinklers	NACHURS Triple Option®	8 gal/ac	
	NACHURS K-fuel®	5 gal/ac	
	NACHURS CropMax®	1 qt/ac	
	NACHURS® 9% Zn EDTA	1 pt/ac	
	NACHURS Rhyzo-Link® PE	1 qt/ac	
Summer Fertigation	NACHURS Rhyzo-Link® PE	1 qt/ac	
	NACHURS K-fuel®	5 gal/ac	
	NACHURS Triple Option®	5 gal/ac	

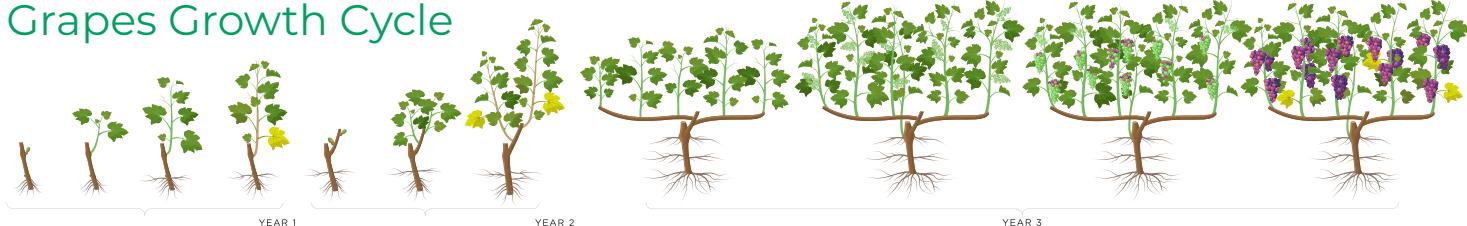


Notes

Maximizing Grape (Table)

Crop Stage	Product	Rates	Agronomics Discussions
Bud Break- Fertigation	NACHURS Triple Option®	3–5 gal/ac	
	<i>Additional Options:</i>		
	NACHURS Rhyzo-Link® PE	1 pt/ac	
	NACHURS CropMax®	1 qt/ac	
Stretch Spray 3-5" Clusters	NACHURS Finish Line®	1 qt/ac	
	NACHURS Triple Option®	2–4 qt/ac	
	<i>Additional Options:</i>		
	NACHURS® 9% Zn EDTA	1–2 pt/ac	
	NACHURS® 10% Boron	1–2 pt/ac	
	NACHURS® 2.5% Mg EDTA	1–2 pt/ac	
Bloom Spray	NACHURS Triple Option®	2–4 qt/ac	
	NACHURS Finish Line®	1 qt/ac	
	<i>Additional Options:</i>		
	NACHURS® 3% Ca EDTA	1–2 pt/ac	
Berry Development/ Sizing 3-5 Sprays	NACHURS K-fuel®	1–2 pt/ac	
	<i>Additional Options:</i>		
	NACHURS® 3% Ca EDTA	1–2 pt/ac	
	NACHURS® 9% Zn EDTA	1–2 pt/ac	
Verasion	NACHURS K-fuel®	2 qt/ac	<i>Last fungicide spray</i>
Fertigation for K	NACHURS K-fuel®	4–5 gal/ac	<i>Multiple applications as needed</i>
Post Harvest	NACHURS Triple Option®	3–5 gal/ac	

Grapes Growth Cycle

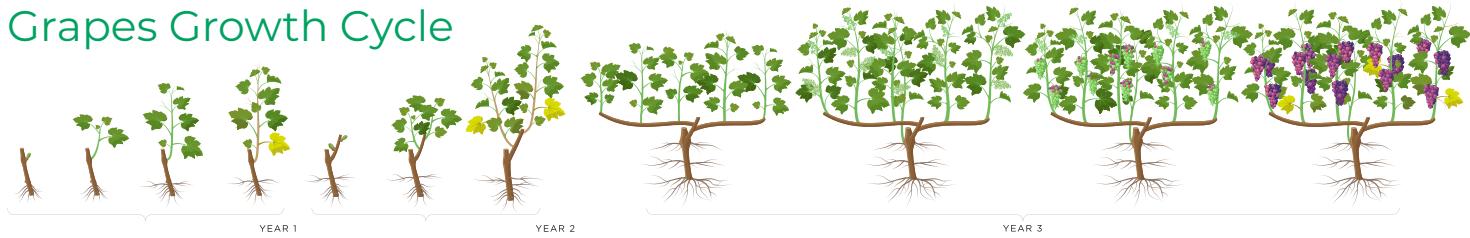


Notes

Maximizing Grape (Wine)

Crop Stage	Product	Rates	Agronomics Discussions	
Bud Break- Fertigation	NACHURS Triple Option®	3–5 gal/ac		
	<i>Additional Options:</i>			
	NACHURS Rhyzo-Link® PE	1 qt/ac		
Pre-Bloom	NACHURS Finish Line®	2 qt/ac		
	<i>Additional Options:</i>			
	NACHURS® 9% Zn EDTA	1 pt/ac		
Post-Set	NACHURS® 10% Boron	1 pt/ac	<i>Multiple Applications May be Beneficial</i>	
	NACHURS K-fuel®	3–5 gal/ac		
	<i>Additional Options:</i>			
Veraison	NACHURS K-fuel®	2–4 qt/ac	<i>Multiple Applications May be Beneficial</i>	
	NACHURS Triple Option®	3–5 gal/ac		
	NACHURS K-fuel®	3–5 gal/ac		
	<i>Additional Options:</i>			
	NACHURS Triple Option®	2–4 qt/ac		
Post-Harvest	NACHURS K-fuel®	2–4 qt/ac		
	NACHURS Triple Option®	3–5 gal/ac		
	<i>Additional Options:</i>			
	NACHURS Rhyzo-Link® PE	1 qt/ac		

Grapes Growth Cycle



Notes

Maximizing Hop

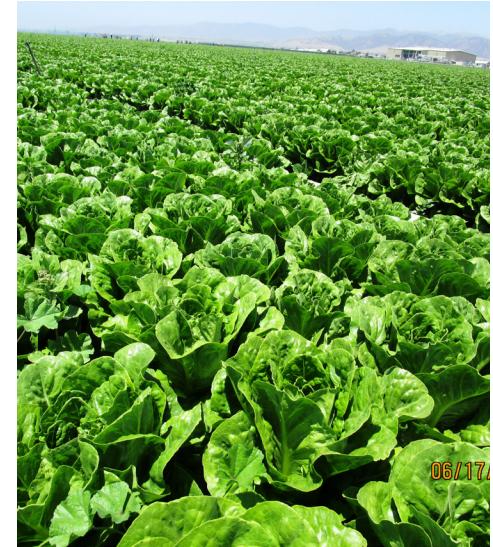
Crop Stage	Product	Rates	Crop Stage	Product	Rates	
30–45 Days Sprouting/ Wake-up (mid-May to mid June)	NACHURS CropMax®	1 qt/ac	Bine Elongation & Arming Out	NACHURS Sideswipe®	1 qt/ac Week 1	
	NACHURS Rhyzo-Link® PE	1 pt/ac		NACHURS Finish Line®	1 qt/ac Week 2	
	<i>Additional Options:</i>				NACHURS Green Flag®	
	NACHURS Humi-flex® MAX	1–3 qt/ac		NACHURS K-fuel® &	1 gal/ac Week 3	
	NACHURS® 3% Ca EDTA	1–2 pt/ac		NACHURS Sideswipe®	2 gal/ac Week 4	
	NACHURS Triple Option®	1–3 gal/ac		<i>Additional Options:</i>		
	NACHURS® 3% Ca EDTA	1–2 pt/ac		NACHURS CropMax®	1–2 pt/ac	
	NACHURS Finish Line®	1 qt/ac		NACHURS Triple Option®	1–2 gal/ac	
	NACHURS K-flex®	0.5–1 gal/ac		NACHURS Green Flag®	3 gal/ac Week 1	
	<i>Additional Options:</i>			NACHURS K-fuel®	2 gal/ac Week 2	
Leaf Expansion & Side Arm Formation	NACHURS® 6% Mn EDTA	1–2 pt/ac		<i>Additional Options:</i>		
	NACHURS® 3% Ca EDTA	1–2 pt/ac		NACHURS CropMax®	1 qt/ac	
	NACHURS® 10% Boron	1–2 pt/ac		NACHURS Green Flag®	1–2 gal/ac Week 1	
	NACHURS® 9% Zn EDTA	1–2 pt/ac		NACHURS K-fuel®	0.5–2 gal/ac Week 2	
	NACHURS Triple Option®	1–2 gal/ac		<i>Additional Options:</i>		
				NACHURS CropMax®	1 qt/ac	
Flowering (Burr Stage)			Cone Development			



Notes

Maximizing Leafy Vegetable

Crop Stage	Product	Rates	Crop Stage	Product	Rates	
At-Plant	NACHURS Green Flag®	1–2 gal/ac	4-6 Weeks After Last Application	NACHURS K-fuel®	1–2 gal/ac	
	NACHURS Rhyzo-Link® PE	1 pt/ac		NACHURS® 3% Ca EDTA	1–2 pt/ac	
	NACHURS® 2.5% Mg EDTA	1–2 pt/ac		NACHURS® NocKout	4–6 qt/ac	
	NACHURS Humi-Flex® MAX	1–3 qt/ac		<i>Additional Options:</i>		
	<i>Additional Options:</i>			NACHURS imPulse®	1–2 gal/ac	
	NACHURS Aqua Tech® 7-20-4	2–4 gal/ac		NACHURS Finish Line®	1 qt/ac	
	NACHURS® 10% Boron	1–2 qt/ac		NACHURS® NocKout	4–6 qt/ac	
	NACHURS CropMax®	1–2 pt/ac		NACHURS® 3% Ca EDTA	1–2 pt/ac	
	NACHURS K-fuel®	1–2 gal/ac		<i>Additional Options:</i>		
	NACHURS® 3% Ca EDTA	1–2 pt/ac		NACHURS K-fuel®	1–2 gal/ac	
Sidedress at Thinning	NACHURS® NocKout	4–6 qt/ac		NACHURS Finish Line®	1 qt/ac	
	<i>Additional Options:</i>		Head Formation			
	NACHURS Finish Line®	1 qt/ac		<i>Additional Options:</i>		
	NACHURS imPulse®	1–2 gal/ac		NACHURS K-fuel®	1–2 gal/ac	
	NACHURS Humi-Flex® MAX	1–3 qt/ac		NACHURS Finish Line®	1 qt/ac	
	NACHURS CropMax®	1–2 pt/ac				



Notes

Maximizing Pepper & Tomato

Crop Stage	Product	Rates	Agronomics Discussions	
Transplant	NACHURS Triple Option®	2% Solution	<i>All transplant rates are per 100 gal of water per acre.</i>	
	NACHURS Rhyzo-Link® PE	0.5 pt/ac		
	<i>Additional Options:</i>			
	NACHURS® 9% Zn EDTA	1-2 pt/ac		
Four Weeks After Transplant	NACHURS Triple Option®	1 gal/ac		
	NACHURS Finish Line®	1 qt/ac		
Topping	NACHURS K-fuel®	1-3 gal/ac	<i>Base option - fertigation. Additional option - foliar</i>	
	<i>Additional Options:</i>			
	NACHURS K-flex®	1 gal/ac		

Tomato Growth Cycle



Pepper Growth Cycle

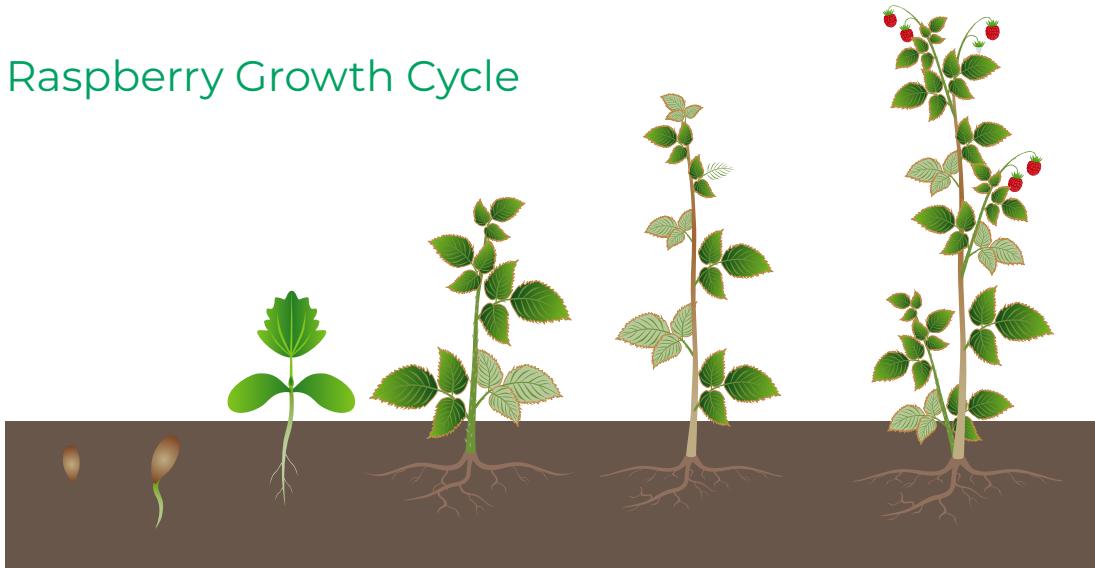


Notes

Maximizing Raspberry

Crop Stage	Product	Rates	Crop Stage	Product	Rates	
Budswell Frost Mitigation Foliar Spray	NACHURS K-fuel®	2 gal/ac	Full Leaf Pre Bloom-Mid Bloom Foliar 7-10 Day Interval	NACHURS Triple Option®	2 gal/ac	
	<i>Additional Options:</i>			NACHURS® 10% Boron	1 pt/ac	
	NACHURS Rhizo-Link® PE	1 pt/ac		NACHURS CropMax®	1 pt/ac	
	NACHURS Humi-flex® MAX	1 qt/ac		NACHURS® 2.5% Mg EDTA	1 pt/ac	
	NACHURS Triple Option®	5 gal/ac	Late Bloom/Early Green Fruit Foliar	NACHURS Triple Option®	2 gal/ac	
	NACHURS® 10% Boron	1 pt/ac		NACHURS® 10% Boron	1 pt/ac	
	NACHURS® 9% Zn EDTA	1 pt/ac	Late Bloom/Green Fruit Fertigation	NACHURS Rhizo-Link® PE	1 pt/ac	
	NACHURS CropMax®	1 qt/ac		NACHURS K-fuel®	10 gal/ac	
Full Leaf Pre Bloom Fertigation or Basal Drench	NACHURS CropMax®	1 qt/ac		NACHURS Triple Option®	10 gal/ac	
	NACHURS Triple Option®	10 gal/ac		NACHURS CropMax®	1 gal/ac	
	NACHURS SRN®	2 gal/ac		NACHURS® 9% Zn EDTA	1 pt/ac	
	NACHURS Humi-flex® MAX	1 qt/ac		NACHURS® 10% Boron	1 qt/ac	
	NACHURS Rhizo-Link® PE	1 pt/ac	Early Bloom Fertigation or Basal Drench	NACHURS Triple Option®	10 gal/ac	
	NACHURS® 9% Zn EDTA	1 pt/ac		NACHURS Rhizo-Link® PE	1 pt/ac	
5% Bloom Foliar Application	NACHURS Triple Option®	2 gal/ac		NACHURS Humi-flex® MAX	1 qt/ac	
	NACHURS SRN®	1 gal/ac		NACHURS CropMax®	1 qt/ac	
	NACHURS® 10% Boron	1 pt/ac		NACHURS SRN®	2 gal/ac	
	NACHURS® 2.5% Mg EDTA	1 pt/ac	Post Harvest Foliar	NACHURS® 9% Zn EDTA	1 pt/ac	
				NACHURS K-fuel®	2 gal/ac	
				NACHURS CropMax®	1 qt/ac	

Raspberry Growth Cycle

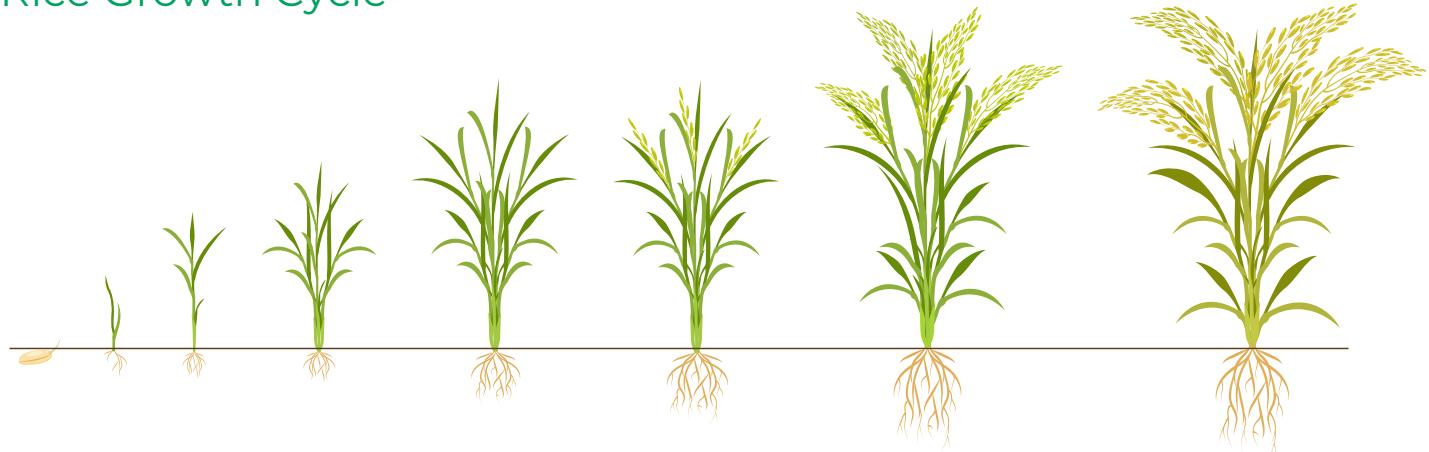


Notes

Maximizing Rice

Crop Stage	Product	Rates	Agronomics Discussions
Pre-Plant	NACHURS K-fuel®	3–5 gal/ac	<i>Field incorporated with solution grade urea. Do NOT blend with Aqua Ammonia.</i>
Late-Tillering	NACHURS Finish Line®	1 qt/ac	<i>Additional Options:</i> <i>Fungicide timing.</i>
	NACHURS® 9% Zn EDTA	1–2 pt/ac	
	NACHURS K-fuel®	1 gal/ac	
Early Heading	NACHURS Finish Line®	1 qt/ac	<i>Fungicide timing.</i>
	NACHURS NocKout®	1 gal/ac	

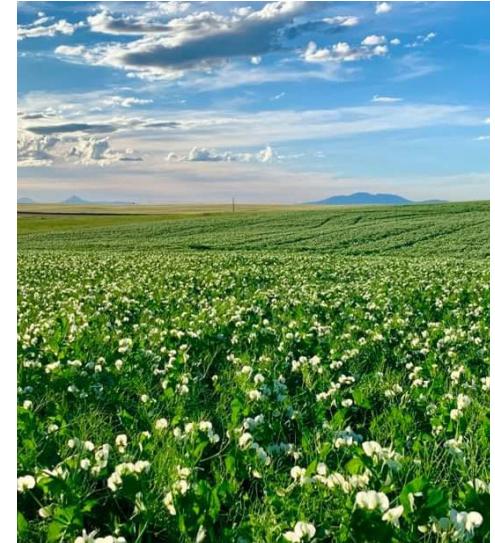
Rice Growth Cycle



Notes

Maximizing Snap Bean/Pea/Lima

Crop Stage	Product	Rates	Agronomics Discussions	
Transplant	NACHURS Triple Option®	1–2 gal/ac	<i>All transplant rates are per 100 gal of water per acre.</i>	
	NACHURS CropMax®	1 qt/ac		
	NACHURS Rhizo-Link® PE	1 pt/ac		
Four Weeks After Transplant	NACHURS K-fuel®	1.5 gal/ac	<i>Can make multiple applications starting at herbicide timing/early foliar up to flowering 2 weeks apart.</i>	
	NACHURS Finish Line®	1 qt/ac		
	Additional Options:			
	NACHURS Triple Option®	1 gal/ac		



Notes

Maximizing Strawberry

Crop Stage	Product	Rates
Wake Up Fertigation	NACHURS Triple Option®	5 gal/ac
	NACHURS K-fuel®	2 gal/ac
	NACHURS CropMax®	1 qt/ac
	NACHURS® 10% Boron	1 pt/ac
	NACHURS® 9% Zn EDTA	1 pt/ac
	Additional Options:	
	NACHURS Rhyzo-Link® PE	1 pt/ac
First Flower Fertigation	NACHURS Triple Option®	5 gal/ac
	NACHURS K-fuel®	2 gal/ac
	NACHURS Finish Line®	1 qt/ac
	NACHURS Humi-flex® MAX	1 qt/ac
	NACHURS Rhyzo-Link® PE	1 pt/ac
	NACHURS® 10% Boron	1 pt/ac

Crop Stage	Product	Rates
First Fruit Fertigation	NACHURS K-fuel®	5 gal/ac
	NACHURS Finish Line®	1 qt/ac
	NACHURS® 10% Boron	1 pt/ac
	NACHURS Humi-flex® MAX	1 qt/ac
Post Harvest Fertigation	NACHURS Triple Option®	5 gal/ac
	NACHURS CropMax®	1 qt/ac
	NACHURS® 9% Zn EDTA	1 pt/ac
	NACHURS Rhyzo-Link® PE	1 pt/ac
First Flower Foliar Application	NACHURS Humi-flex® MAX	1 qt/ac
	NACHURS Triple Option®	1.5 gal/ac
	NACHURS Finish Line®	1 qt/ac
	NACHURS® 10% Boron	1 pt/ac

Strawberry Growth Cycle



Notes

Maximizing Sweet Potato

Crop Stage	Product	Rates	Agronomics Discussions	
Transplant	NACHURS First Down®	1% Solution	<i>All transplant rates are per 100 gal of water per acre.</i>	
	NACHURS Rhyzo-Link® PE	1–2 pt/ac		
	<i>Additional Options:</i>			
	NACHURS CropMax®	1 qt/ac		
	NACHURS Green Flag®	1% Solution		
Last-by/Last Cultivation	NACHURS Triple Option®	2–4 qt/ac		
	NACHURS Finish Line®	1 qt/ac		
	NACHURS K-fuel®	2–4 qt/ac		
Bloom	NACHURS Finish Line®	1 qt/ac	<i>Base option - fertigation. Additional option - foliar</i>	
	NACHURS K-fuel®	2–4 qt/ac		
	<i>Additional Options:</i>			
	NACHURS Triple Option®	2–4 qt/ac		
Bulking	NACHURS Finish Line®	1 qt/ac		
	NACHURS K-fuel®	2–4 qt/ac		
	<i>Additional Options:</i>			
	NACHURS Triple Option®	2–4 qt/ac		
3 Weeks after Bulking Start	NACHURS K-fuel®	2–4 qt/ac	<i>Additional application</i>	



Notes

Maximizing Tobacco

Crop Stage	Product	Rates	Agronomics Discussions	
Transplant	NACHURS First Down®	1 % Solution		
	NACHURS Rhyzo-Link® PE	1 pt/ac		
	<i>Additional Options:</i>			
	NACHURS CropMax®	1 qt/ac		
	NACHURS Green Flag®	1 % Solution		
Lay-by/Last Cultivation	NACHURS Triple Option®	2–4 qt/ac		
	NACHURS Finish Line®	1 qt/ac		
	NACHURS K-fuel®	2–4 qt/ac		
	<i>Additional Options:</i>			
	NACHURS K-flex®	2–4 qt/ac		
Topping	NACHURS Finish Line®	1 qt/ac		
	NACHURS K-fuel®	2–4 qt/ac		
	<i>Additional Options:</i>			
	NACHURS Triple Option®	2–4 qt/ac		
	NACHURS K-flex®	2–4 qt/ac		
Sucker Control	NACHURS Finish Line®	1 qt/ac	<i>No later than second sucker control application.</i>	
	NACHURS K-fuel®	2–4 qt/ac		



Notes

Maximizing Tree Nut

Crop Stage	Product	Rates	Agronomics Discussions
Post Bloom	NACHURS Triple Option®	3–5 gal/ac	
	NACHURS Rhyzo-Link® PE	1 pt/ac	
Post Bloom Foliar	NACHURS K-fuel®	2–4 qt/ac	
	NACHURS Finish Line®	1 qt/ac	
	NACHURS® 9% Zn EDTA	1–2 pt/ac	
May Fertigation	NACHURS K-fuel®	5 gal/ac	<i>Multiple applications required during nut fill.</i>
June Fertigation	NACHURS K-fuel®	5 gal/ac	<i>Multiple applications required during nut fill.</i>
July Fertigation	NACHURS K-fuel®	5 gal/ac	
Post Harvest	NACHURS Triple Option®	3–5 gal/ac	
	NACHURS Rhyzo-Link® PE	1 pt/ac	



Notes

NACHURS® Product Reference

Start2Finish® Products

	Nutrition	PRS
NACHURS Balance® Powered by Bio-K® • Balanced NPK containing boron, cobalt, and molybdenum	Boron, Cobalt, Molybdenum, Nitrogen, Phosphorus, Potassium	
NACHURS Finish Line® Powered by Bio-K® • Unique micronutrient enriched premium foliar fertilizer • Contains proprietary organic acids, compatibility agents and higher level of micronutrients • Provides a significant return on investment when used on all crops	Boron, Copper, Manganese, Nitrogen, Phosphorus, Potassium, Zinc Fulvic Acid	
NACHURS First Down® Powered by Bio-K® • Low salt, 100% orthophosphate specifically designed for corn and wheat • Quick and uniform plant emergence, ultimately results in maximizing yield potential	Nitrogen, Phosphorus, Potassium	
NACHURS Green Flag® Powered by Bio-K® • Premium green, high orthophosphate liquid in-furrow fertilizer • Formulated specifically for potato and wheat crops to maximize yield potential	Nitrogen, Phosphorus, Potassium	
NACHURS imPulse® Powered by Bio-K® • Provides corn and wheat growers quick and uniform plant emergence • Improved early season plant health • Ultimately results in maximizing yield potential	Nitrogen, Phosphorus, Potassium	
NACHURS K-Flex® Powered by Bio-K® • Most versatile Bio-K technology product available • Compatible with 10-34-0, UAN, and liquid urea • Allows applications of K & S during critical growth stages maximizing yield potential	Potassium, Sulfur	
NACHURS K-Flex® MAX Powered by Bio-K® • Offers all of the advantages that K-Flex® has with added benefits coming from Humi-flex® MAX • A heavy humic that shares features and benefits of Bio-K • Improves the efficiency of nitrogen solutions by providing Bio-K, sulfur, and humic acid	Potassium, Sulfur Humic Acid	
NACHURS K-Fuel® Powered by Bio-K® • Highest concentration of Bio-K technology in the industry • Contains a versatile source of K for growers requiring higher K levels • Allows applications of K during critical growth stages, maximizing yield potential	Potassium	
NACHURS K-Fuse® Powered by Bio-K® • Specially formulated to be blended with UAN • Allows for more K and S to be supplied per acre with UAN • Maximizes yield potential	Nitrogen, Potassium, Sulfur	
NACHURS NocKout® Powered by Bio-K® • A premium slow release nitrogen fertilizer • Complete NPK fertilizer containing the highest percentage of SRN • Takes crops with excellent potential to the next yield level	Boron, Nitrogen, Potassium, Sulfur	

NACHURS® Product Reference

	Nutrition	PRS
NACHURS Throwback® Powered by Bio-K <ul style="list-style-type: none"> Ortho/Poly blend allows compatibility with UAN and other crop nutrition forms. This product is an improved alternative to “bio charging” 10-34-0, having more Bio-K, more orthophosphate, more sulfur, and a higher quality This product is NOT seed safe 	Nitrogen, Phosphorus, Potassium, Sulfur	
NACHURS Triple Option® Powered by Bio-K <ul style="list-style-type: none"> Premium NPK fertilizer Also contains S Versatile in-furrow or foliar nutrition offering crop growers rapid nutrient uptake 	Nitrogen, Phosphorus, Potassium, Sulfur	

Micronutrients

NACHURS CropMax® <ul style="list-style-type: none"> A premium blend of micronutrients designed for soil application at planting, seeding, or sidedress Contains 100% EDTA chelated nutrients which prevents tie up with the soil and with other nutrients Designed to be used on a wide range of crops 	Boron, Copper, Iron, Manganese, Molybdenum, Zinc	
NACHURS Face Off® <ul style="list-style-type: none"> This is a new micro pack formulated with seed safety in mind. It offers a micro-pack plus Humi-flex FA that stimulates and promotes early root development when seed applied and overall plant development when foliar applied 	Copper, Manganese, Molybdenum, Zinc Fulvic Acid	
NACHURS Sideswipe® <ul style="list-style-type: none"> This product is designed to maximize nutrient placement into strip-till, beside the row, and with UAN in sidedress applications. This product fits many of the progressive treatment options today's production This product is NOT seed safe 	Boron, Copper, Iron, Manganese, Zinc	

Special Use

NACHURS Aqua-Tech® 7-20-4 Powered by Bio-K <ul style="list-style-type: none"> Contains polyamine acid-based compatibility agent which protects phosphate molecules from combining with elements (i.e. calcium, magnesium, etc.) contained in hard water sources, thus preventing the formation of insoluble, scale forming precipitates 	Nitrogen, Phosphorus, Potassium	
NACHURS Rhizo-Link® PE <ul style="list-style-type: none"> Microbial product containing two strains of Bacillus ssp. to unlock bound or tied-up phosphorus (both organic and inorganic). Great for heavy manured ground and soils with low organic matter. 	Humic Acid	
NACHURS Humi-flex® MAX <ul style="list-style-type: none"> Soil and fertility catalyst designed to improve soil health and maximize utilization of nutrients Contains humic acid, which is processed using proprietary technology Designed to be used on a wide range of crops 	Humic Acid	
NACHURS Humi-flex® FA <ul style="list-style-type: none"> Designed to stimulate and promote early root development when seed applied and overall plant development when foliar applied. 	Fulvic Acid	

Addition application rates are optional. Consult your NACHURS Sale Representative or Agronomist.

It is always recommended that a jar test be done when adding to other fertilizer or chemicals. Always read and follow the pesticide labels when considering tank mixing pesticides with fertilizer products.

CAUTION WHEN MIXING WITH UAN: The temperature of UAN being below 50°F, use sufficient water to provide thorough mixing of solution. A ratio of 1:1 to NACHURS K-Flex®/K-Flex® MAX is recommended.

*PRODUCTS MAY NOT BE AVAILABLE IN EVERY STATE.



start finish²®

NACHURS®

Always the innovator, never the imitator.®

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