



2026–2027

start finish²

A comprehensive liquid fertilizer program powered by NACHURS Bio-K[®] technology to maximize your crop's potential.



www.nachurs.com

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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 for maximum and sustainable yield potential.

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

Patented Technology Overview



Premium source of potassium fertilizer combined with a natural plant metabolite; the most effective and efficient source of potassium. Leading to quicker germination, improved root development, and an elevated abiotic stress tolerance.

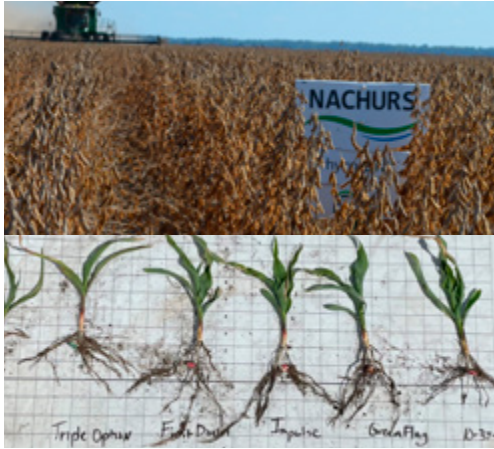
NACHURS® Rhyzo-Link® is a Proprietary Plant Growth Promoting Rhizobacteria (PGPR) technology, delivering the highest concentration of multi-strain, pure culture rhizobacteria.



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.

NACHURS® Enduro-Shield® technology is a purified high quality, marine macroalgae extract product obtained from *Ascophyllum nodosum* with gene expression, growth promotant, and stress mitigation properties.





THE NACHURS WAY... MORE THAN JUST A STARTER...

Liquid Starter Opportunities

NACHURS at planting product options have a neutral pH and are lower in both salt index and impurities than traditional product options. NACHURS offers flexible product options for seed placed and banded fertility at planting.

Placement with the seed product options position readily available nutrient, initiating crop establishment, early development and plant vigor. The beside the row option provides many of the same early benefits along with greater nutrient delivery for supporting the future demand of high yielding crops.

NACHURS liquid starters contain 50%–100% of the phosphorus in the orthophosphate form which is immediately available to the plant at the onset of growth.

NACHURS Foliar Opportunities

Foliar feeding is one of the most efficient methods of supplying nutrients during critical growing stages. NACHURS foliar fertilizers provide available nutrients and chelated micronutrients to make a good crop even better or it can supply a deficient, stressed crop the proper nutrients for a quick recovery. NACHURS programs offer the following foliar products: N-P-K fertilizers, micronutrients, slow release nitrogen, high sulfur, and nutrient enhancement products. These products can also be customized and combined to ensure crop success.

NACHURS Micronutrients

NACHURS 100% EDTA chelated micronutrients are designed to be combined with NACHURS liquid starters and foliars, allowing the product to be placed directly with the seed at planting time, or on the plant foliage. NACHURS products have a neutral pH and are low in both salt index and impurities. Placement with the seed allows the EDTA chelated micronutrients along with the available phosphorus to be taken up at the critical early stages of growth to maximize yield potential.

NACHURS EDTA chelated micronutrients are formulated to easily mix with NACHURS fertilizers for foliar feeding, allowing for fast absorption into the plant (especially when combined with Bio-K[®]) in a very short period of time. This rapid uptake at critical growth stages promotes plant health and increased yield potential.

NACHURS liquid starters and foliars when mixed with NACHURS EDTA chelated micronutrients are immediately available to the plant during the critical early stages of growth.



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.



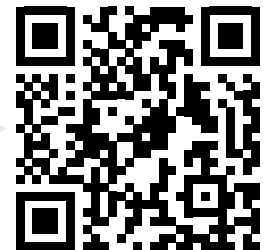
Grower Benefits

- 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®



NACHURS® In-Furrow Starters: The Basics

Why do farmers use in-furrow starters?

- Starter is essential for quick, more uniform emergence to help set maximum yield potential through precision placement
- Larger root systems
- Improve phosphorus utilization early in the season when environment is not conducive (i.e. cold, wet, low biological activity)
- A soil test is NOT required to use a starter other than for rate determination
- Makes a perfect carrier for other products (i.e. micronutrients, organic acids, biologicals)

Why are NACHURS in-furrow starters the BEST option?

- Seed safe
- Balanced N-P-K orthophosphate/ Bio-K® formulations
- Low salt
- Non-corrosive
- True solution
- Dedicated/supportive staff
- EDTA micronutrients, humic acids, fulvic acids, and crop protection products
- Increased efficiency due to placement
- Clean, easy handling solutions
- High solubility
- Neutral pH
- Storability

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.

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.



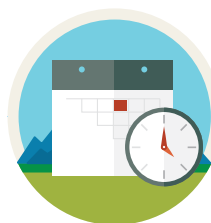
RIGHT SOURCE

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.

NACHURS Is A 4R Partner: A Concept of The Fertilizer Institute (TFI)

✓ 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.

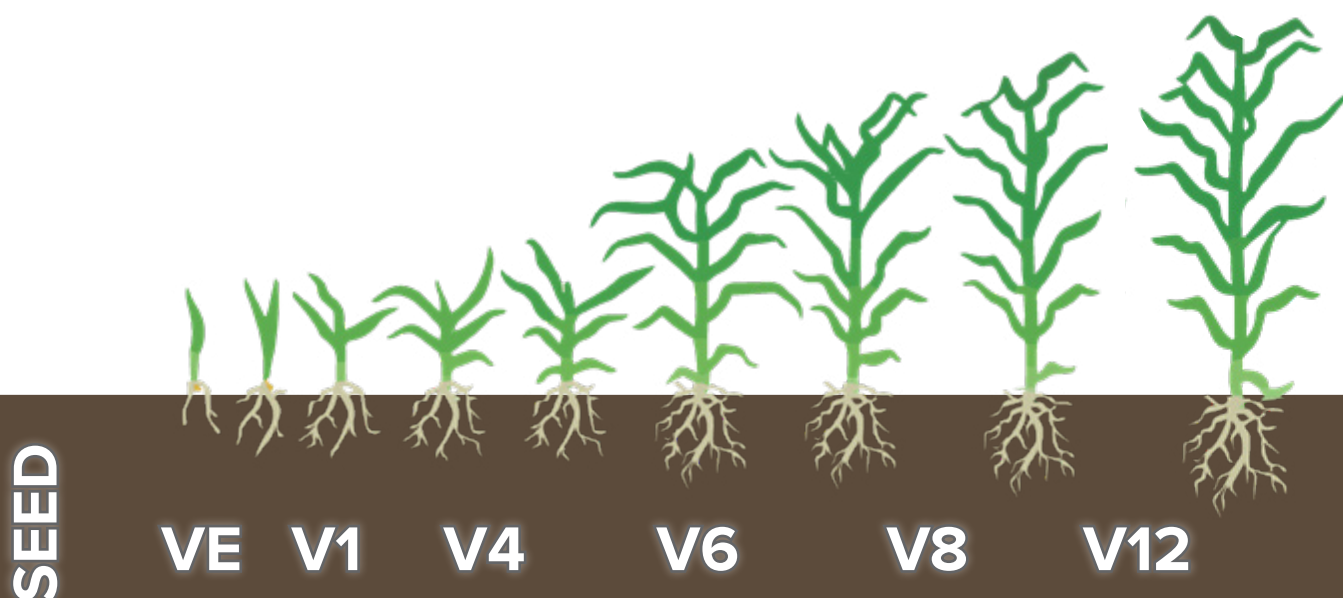
✓ RIGHT TIME

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.

Maximizing Corn Yields



Strip-Till Pre-plant

Base Strip-Till Program Options:

- NACHURS K-flex® Max (½–2 gpa with APP/UAN blends)
- NACHURS K-flex® (½–2 gpa with APP/ UAN blends)
- NACHURS Throwback® (4–8 gpa)
- NACHURS Full-Slate™ (1–10 gpa if alone, or 20–40% v/v with UAN)

Additional Options:

- NACHURS Sideswipe® (1 qt/ac)
- NACHURS Humi-flex® Max (1 qt/ac) (if used with NACHURS K-flex®)
- NACHURS Rhyzo-Link® PE (1 pt/ac)

In-Furrow At Planting

Base In-Furrow Program Options:

- NACHURS First Down® (3–6 gpa)
- NACHURS imPulse® (3–6 gpa)
- NACHURS Triple Option® (2–5 gpa)

Additional Options:

- NACHURS CropMax® (1 qt/ac)
- NACHURS Rhyzo-Link® PE (1 pt/ac)
- NACHURS Humi-flex® FA (1 pt/ac)
- NACHURS Green Flag® (3–6 gpa)

Beside the Row At Planting

Base Beside the Row Program Options:

- NACHURS Throwback® (Up to 15 gpa)
- NACHURS K-flex® Max (½–2 gpa with APP/UAN blends)
- NACHURS K-flex® (½–2 gpa with APP/ UAN blends)
- NACHURS Sideline™ (5–20 gpa)
- NACHURS Full-Slate™ (2–6 gpa)

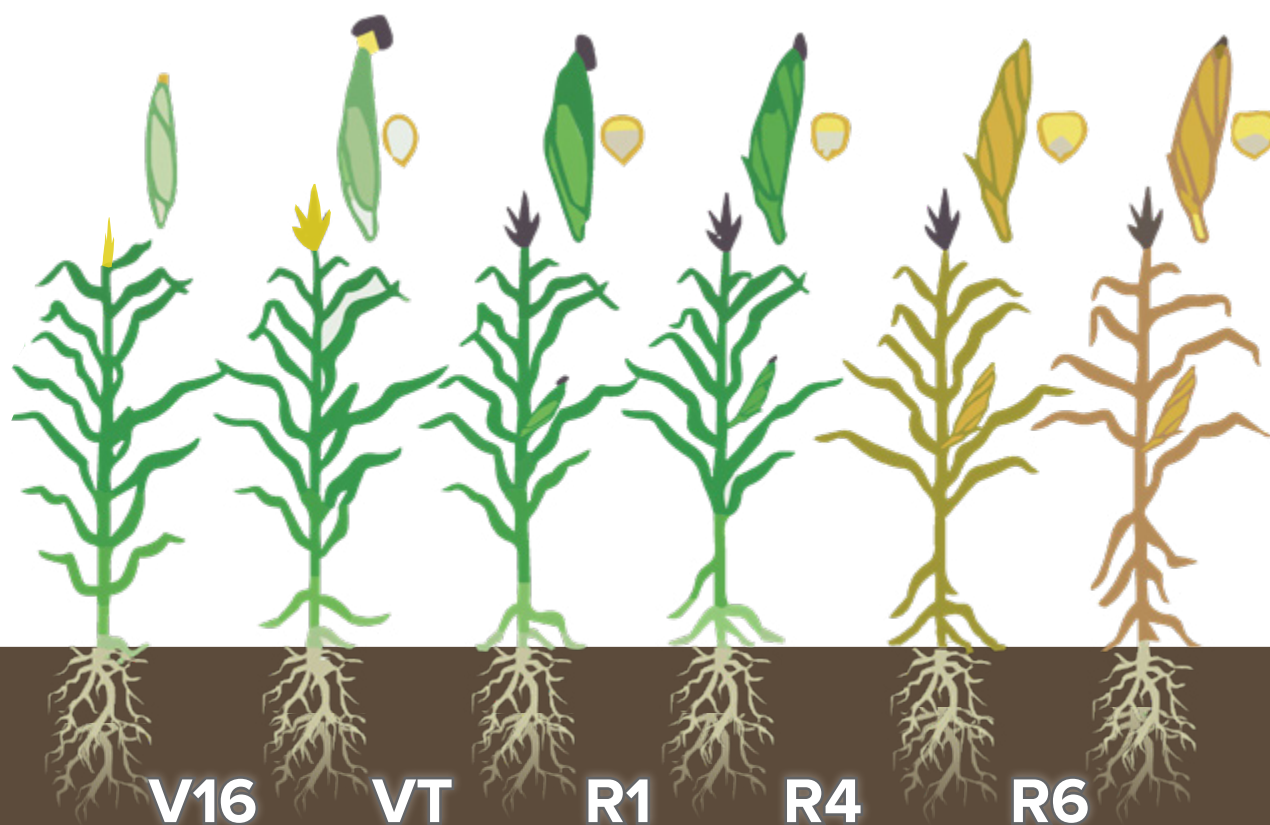
Additional Options:

- NACHURS Sideswipe® (1–2 qt/ac)
- NACHURS Rhyzo-Link® PE (1 pt/ac)
- NACHURS Humi-flex® Max (1 qt/ac) (if used with NACHURS K-flex®)
- NACHURS Microzone® Ca (1–4 pt/ac)
- NACHURS Microzone® Mg (1–4 pt/ac)

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.



Side-dress V3–V6

Base Sidedress Program Options:

- NACHURS K-flex[®] (1–2 gpa)
- NACHURS K-flex[®] Max (1–2 gpa < 20 gpa UAN)
- NACHURS Full-Slate[™] (2–6 gpa if alone, or 20–40% v/v with UAN)

Additional Options:

- NACHURS Sideswipe[®] (1 qt/ac)

Y-drop Application V10–V14

Base Sidedress Program Options:

- NACHURS 10% Boron (1–2 pt/ac)
- NACHURS K-flex[®] (1–2 gpa)
- NACHURS K-flex[®] Max (1–2 gpa)
- NACHURS Throwback[®] (1–3 gpa)
- NACHURS Full-Slate[™] (2–6 gpa if alone, or 20–40% v/v with UAN)

Additional Options:

- NACHURS Sideswipe[®] (1 qt/ac)
- NACHURS Detour[®] (1–2 qt/ac)
- NACHURS Sideline[™] (1–5 gpa)
- NACHURS Microzone[®] Ca (1–4 pt/ac)
- NACHURS[®] 10% Molybdenum (0.5–2 pt/ac)

Base Foliar Early V4–V5/Mid V10–V14 /Late R1–R3

Base EARLY Foliar Program Options: (ground)

- NACHURS Finish Line[®] (1 qt/ac)
- NACHURS K-flex[®] (1 gpa)
- NACHURS Triple Option[®] (1 gpa)

Base MID Foliar Program Options: (ground)

- NACHURS Finish Line[®] (1 qt/ac)
- NACHURS K-flex[®] (1 gpa)
- NACHURS MoneyBall[®] (1.5 pt/ac)

Base LATE Foliar Program Options: (aerial or ground)

- NACHURS Finish Line[®] (1 qt/ac)
- NACHURS NocKout[®] (1 gpa)

Additional Options:

- NACHURS Sideswipe[®] (1–2 pt/ac)
- NACHURS Triple Option[®] (1 gpa)
- NACHURS MoneyBall[®] (1.5pt/ac)
- NACHURS Humi-flex[®] FA (0.5–1 pt/ac)
- NACHURS Microzone[®] Mg (1–4 pt/ac)

Fertigation V8–R3

Base Fertigation Program Options: With Water or UAN

- NACHURS K-flex[®] (2 qt–2 gpa)
- NACHURS K-fuel[®] (2 gpa)
- NACHURS Full-Slate[™] (2–4 gpa if alone, or 20–40% v/v with UAN)

Additional Options:

- NACHURS Sideswipe[®] (1 qt/ac)

Base Fertigation Program Options: With Water ONLY

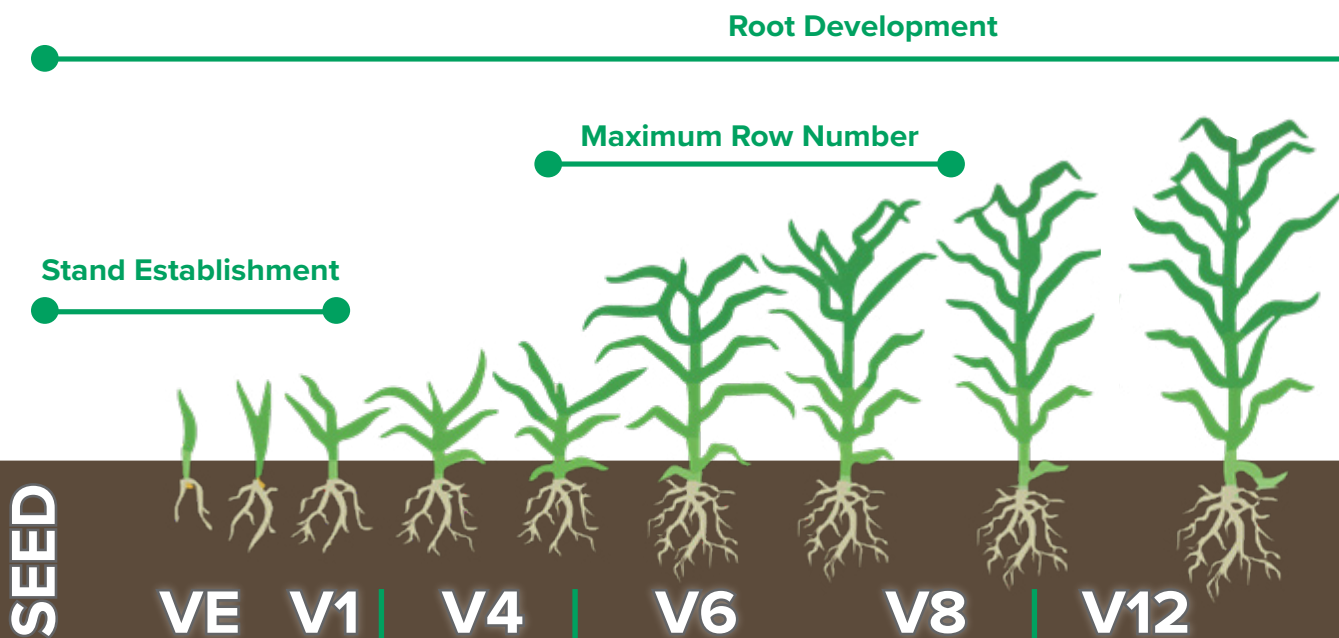
- NACHURS Aqua-Tech[®] 7-20-4 (Up to 2 gpa)
- NACHURS K-fuel[®] (2 gpa)

Additional Options:

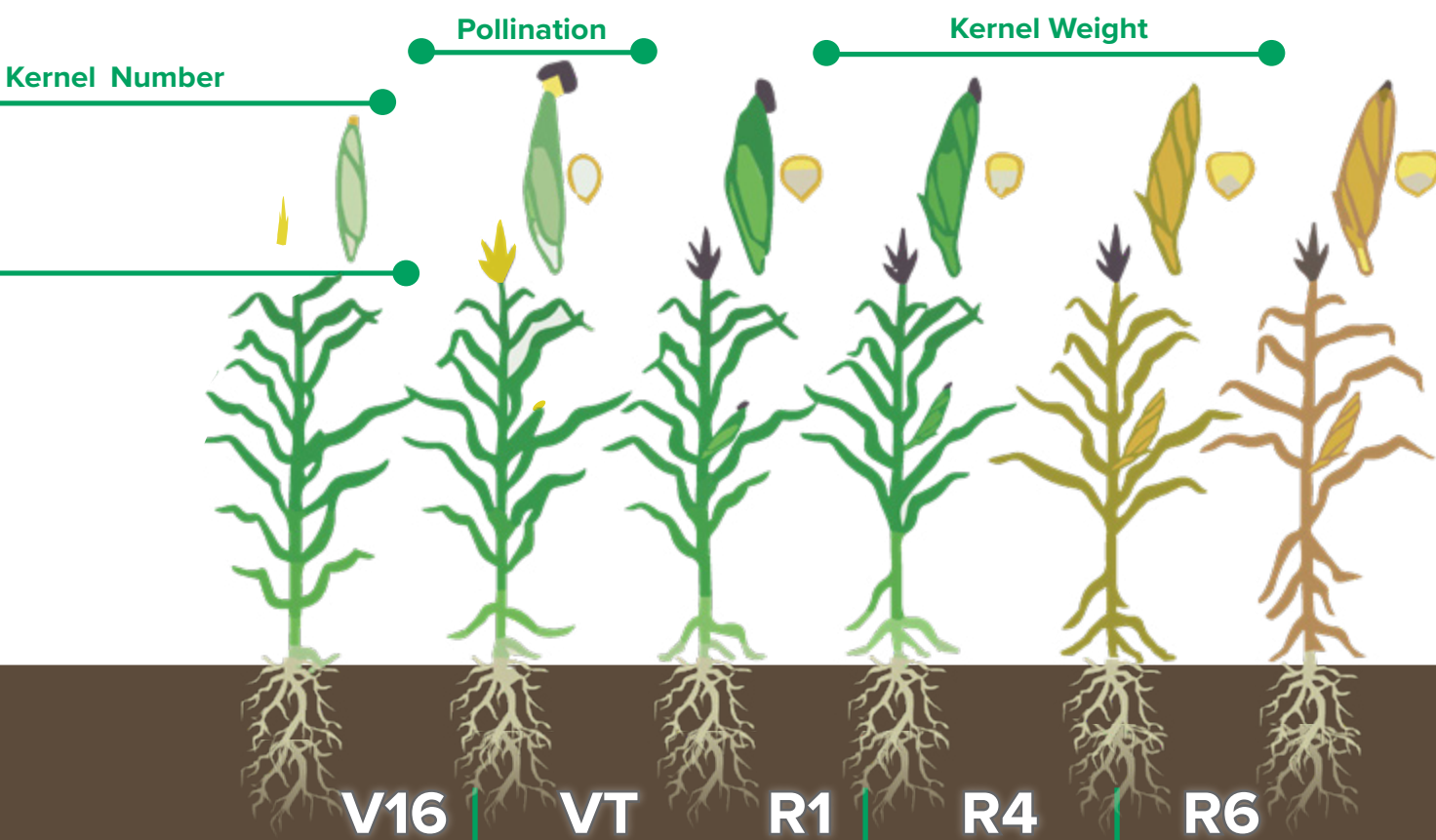
- NACHURS Sideswipe[®] (1 qt/ac)

Nutrient Uptake by Corn Growth Stage

Maximum

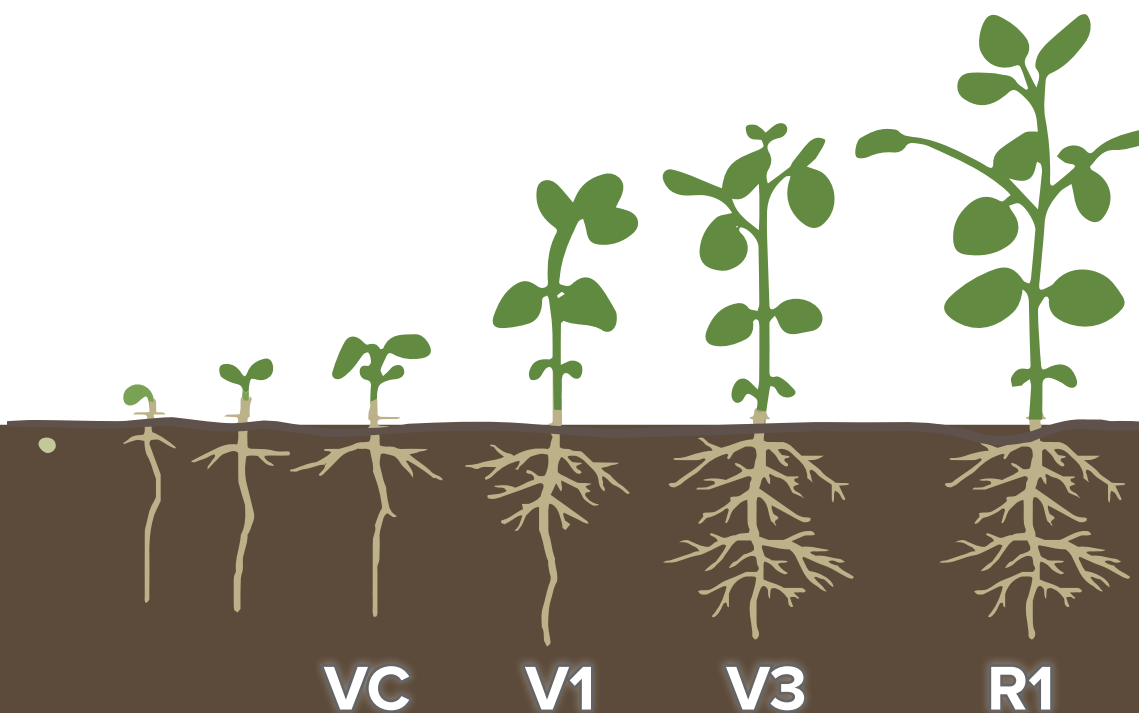


	V2	V4	V6	V8	V12	V16
GDU	75	275	425	625	900	1,150
DAE	12	22	36	45	54	64
3 Week Intervals	22 Days		23 Days		21 Days	
%DM	0.25	0.75	2	2	15	10
%H₂O	1	2	6	8	8	10
%N	3	3	8	12	23	12
%P	2	3	4	8	14	10
%K	2	3	8	13	21	16
%Ca	1	2	5	6	9	11
%Mg	1	4	7	11	16	12
%S	1	3	5	11	12	9
%B	1	1	2	8	22	24
%Cu	2	5	8	14	12	6
%Fe	7	18	13	10	9	7
%Mn	3	7	13	21	14	11
%Zn	2	2	3	4	17	20



V18	VT/R1	R2	R4	R5	R5.75	R6
1,250	1,300	1,550	1,850	2,100	2,405	2,600
69	79	84	93	100	115	120
20 Days			21 Days		19 Days	11 Days
3	2	10	25	4	13	5
6	12	6	10	9	18	4
9	5	6	6	5	5	3
6	4	7	14	11	10	7
11	8	6	4	4	2	2
13	15	19	9	6	4	0
5	4	5	12	17	4	2
5	6	12	14	9	8	5
8	2	11	16	4	1	0
4	2	7	18	10	8	4
6	5	12	6	4	2	1
8	6	6	5	3	2	1
4	2	3	13	20	6	4

Maximizing Soybean Yields



In-Furrow At Planting

Base In-Furrow Program Options: 15" Rows

- NACHURS Triple Option® (3 gpa)
- NACHURS Triple Option®
+ NACHURS Balance® (1:1 at 3 gpa)

Base In-Furrow Program Options: 30" Rows

- NACHURS Triple Option® (2 gpa)
- NACHURS Triple Option®
+ NACHURS Balance® (1:1 at 2 gpa)

Additional Options:

- NACHURS CropMax® (1 qt/ac)
- NACHURS Humi-flex® FA (1 qt/ac)
- NACHURS Rhyzo-Link® PE (1 pt/ac)
- NACHURS Microzone® Ca (1–2 pt/ac)

Early Foliar With Herbicide

Base Early Foliar Program Options:

- NACHURS Finish Line® (1 qt/ac)
- NACHURS K-fuel® (1 gpa)
- NACHURS K-flex® (1 gpa)
- NACHURS Triple Option® (1 gpa)

Mid Foliar V3–V5

Base Mid Foliar Program Options:

- NACHURS Detour®
(1.5–2 qt/ac)

Y-drop Application Pre-bloom >20" rows

Base Y-drop Application Program Options:

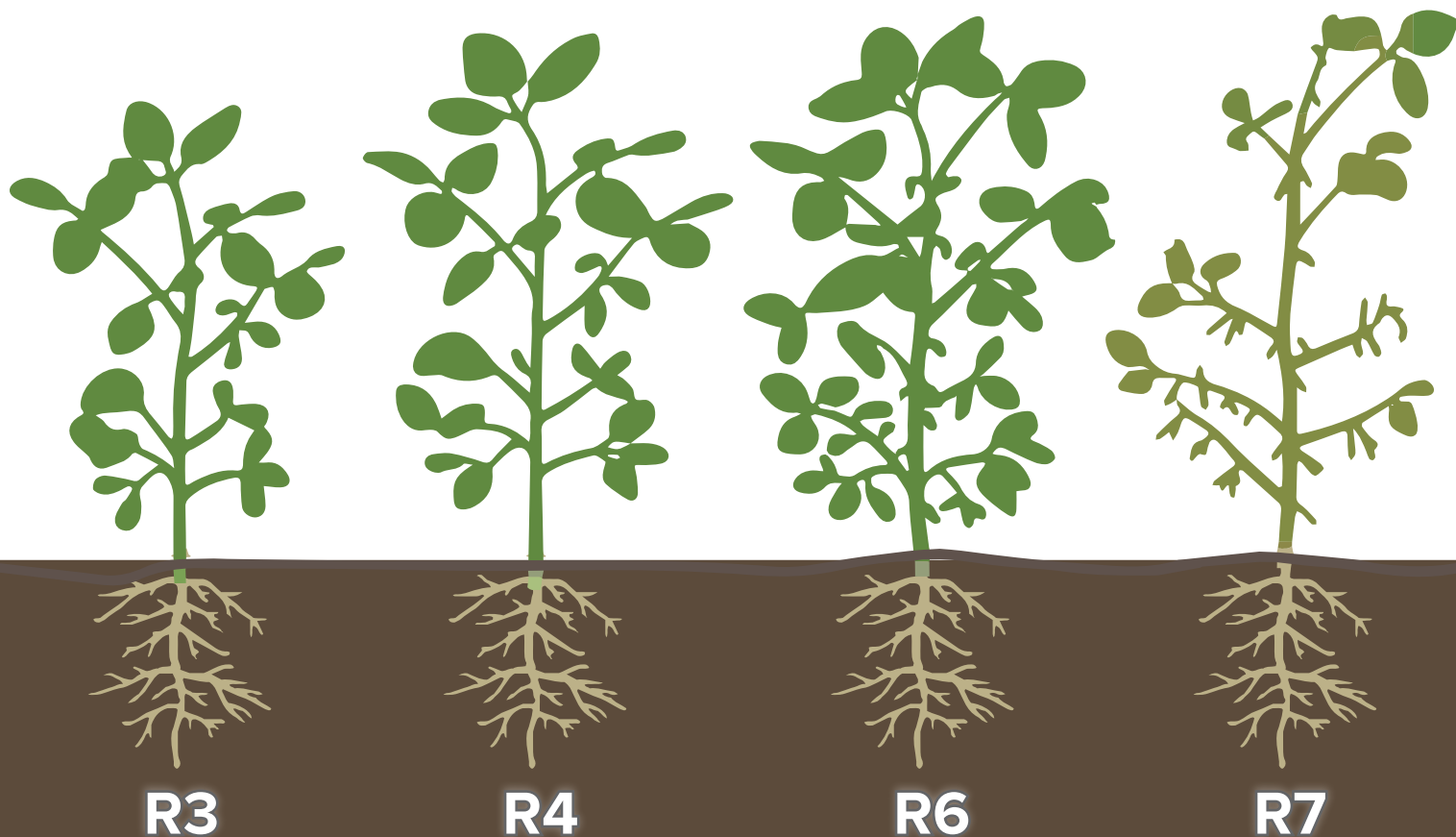
- NACHURS Green Flag® (1–2 gpa)
- NACHURS K-flex® (1 gpa)
- NACHURS K-flex® Max (1–1.5 gpa)
- NACHURS CropMax® (1 qt/ac)
- NACHURS First Down® (1–2 gpa)
- NACHURS imPulse® (1–2 gpa)
- NACHURS Sideswipe® (1 qt/ac)
- NACHURS Microzone® Ca (1–4 pt/ac)
- NACHURS Full-Slate™ (1–3 gpa)

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.



Mid Foliar

R1–R3

Base Mid Foliar Program Options:

- NACHURS Finish Line[®] (1 qt/ac)
- NACHURS K-flex[®] (1 gpa)
- NACHURS MoneyBall[®] (1.5 pt/ac)

Additional Options:

- NACHURS Triple Option[®] (1 gpa)
- NACHURS NocKout[®] (1 gpa)

Late Foliar

R4–R5

Base Late Foliar Program Options:

- NACHURS Finish Line[®] (1 qt/ac)
- NACHURS NocKout[®] (1–2 gpa)

Additional Options:

- NACHURS Triple Option[®] (1 gpa)
- NACHURS K-flex[®] (1–2 gpa)
- NACHURS Sideswipe[®] (1 qt/ac)
- NACHURS Microzone[®] Mg (1–4 pt/ac)
- NACHURS Humi-flex[®] FA (4–8 oz/ac)

Fertigation

R1–R6

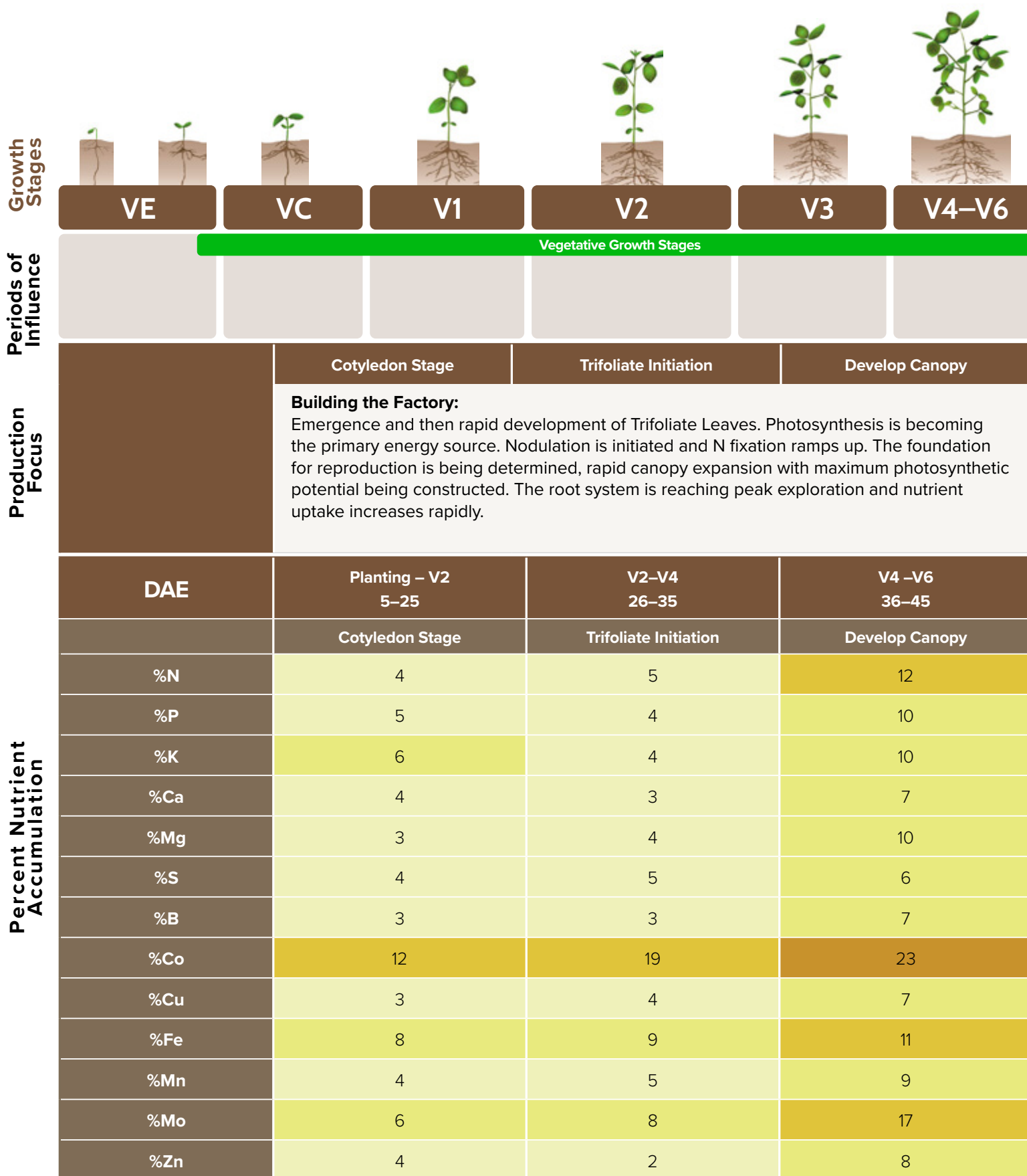
Base Fertigation Program Options:

- NACHURS K-flex[®] (1–2 gpa)
- NACHURS K-fuel[®] (1–2 gpa)
- NACHURS Aqua-Tech[®] 2-0-20 (1–2 gpa)

Additional Options:

- NACHURS Sideswipe[®] (1 qt/ac)

Soybean Nutrient Uptake and Partitioning





R1–R2



R3–R4



R5 –R6



R7



R8

Vegetative Growth Stages

Flowering Period

Pod Development

Bean Filling

Beginning Bloom

Beginning Pod

Beginning Seed

Full Seed

Maturation

Establish the Yield:

Plant continues vegetative growth while starting reproduction. Plant develops flowers and maximum yield potential while reaching peak nutrient uptake. The plant is also evaluating based on plant health, just how many flowers it's going to keep!

Advancing the Yield:

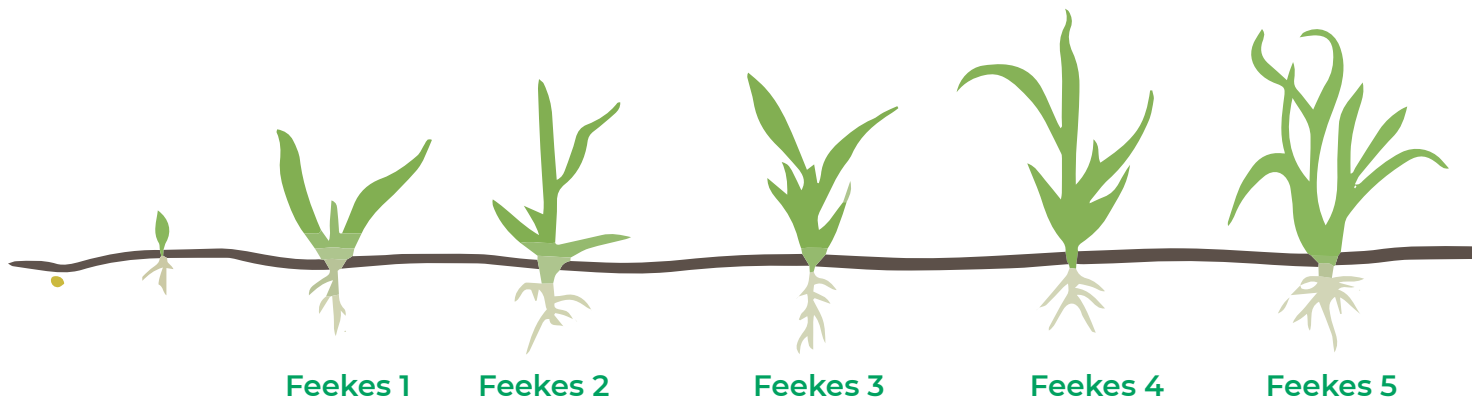
The plant is transitioning from pod formation to seed development. The plant is now pulling nutrients and sugars from the leaves, stems and root system to transport the nutritional value from the sink sites to the developing seed.

Finalize Production:

Yield is set and progresses into the Maturation and dry down process. Seed size and weight is developed.

R1–R2 46–60	R3 61–70	R4 71–80	R5–R6 81–100	R7–vR8 101–125
Beginning Bloom	Beginning Pod	Beginning Seed	Full wSeed	Maturation
13	21	18	20	7
20	18	12	25	6
18	26	16	17	3
22	23	8	29	4
14	20	14	21	14
13	23	15	26	8
22	18	17	24	6
19	13	8	5	1
17	20	9	20	20
28	18	-3	14	15
19	17	13	23	10
24	21	13	8	3
15	21	10	25	15

Maximizing Wheat Yields



In-Furrow At Planting

Base In-Furrow Program Options:

- NACHURS imPulse® (4–8 gpa)
- NACHURS Triple Option® (4–8 gpa)
- NACHURS Green Flag® (4–8 gpa)

Additional Options:

- NACHURS CropMax® (1 qt/ac)
- NACHURS Rhyzo-Link® PE (1 pt/ac)
- NACHURS Humi-flex® FA (1 pt/ac)

Top Dress Feekes 2–4

Base Top Dress Program Options:

- NACHURS K-flex® (2 gpa > 20 gpa UAN)
- NACHURS K-flex® Max (1–2 gpa > 20 gpa UAN)
- NACHURS Finish Line® (1 qt/ac)

Additional Options:

- NACHURS Sideswipe® (1 qt/ac)
- NACHURS Sideline™ (2–6 gpa)
- NACHURS Full-Slate™ (1–5 gpa)

Early Foliar With Herbicide Feekes 4–6

Base Early Foliar Program Options:

- NACHURS K-flex® (1 gpa)
- NACHURS Finish Line® (1 qt/ac)
- NACHURS NockOut® (1–2 gpa)

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.



Late Foliar

With Fungicide Feekes 6–9

Base Late Foliar Program Options:

- NACHURS NocKout® (1 gpa)
- NACHURS Finish Line® (1 qt/ac)
- NACHURS MoneyBall® (1.5 pt/ac)
- NACHURS Triple Option® (1–2 gpa)
- NACHURS Humi-flex® FA (0.5–1 pt/ac)

Fertigation

Feekes 4–10

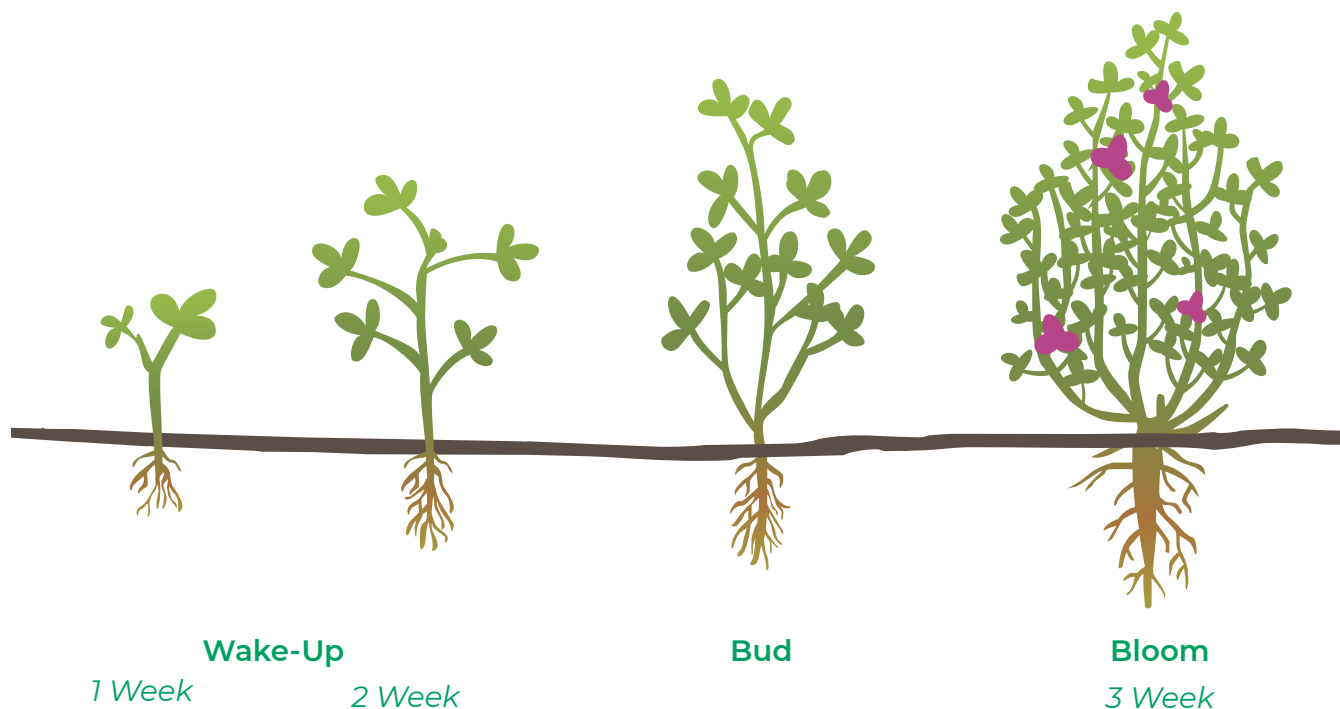
Base Fertigation Program Options:

- NACHURS K-fuel® (2 gpa)
- NACHURS K-flex® (2 qt–2 gpa)
- NACHURS Aqua-Tech® 7-20-4 (Up to 2 gpa)

Additional Options:

- NACHURS Sideswipe® (1 qt/ac)

Maximizing Alfalfa Yields



Wake-Up/Establishment 1–2 Weeks After Break of Dormancy

Base Wake-Up/Establishment Program Options:

- NACHURS Triple Option® (2 gpa)
- NACHURS K-flex® (1 gpa)

Additional Options:

- NACHURS Finish Line® (1 qt/ac)
- NACHURS Rhyzo-Link® PE (1 pt/ac)
- NACHURS Humi-flex® FA (1 pt/ac)

Early Foliar Bud

Base Early Foliar Program Options:

- NACHURS Triple Option® (2 gpa)
- NACHURS K-flex® (1 gpa)

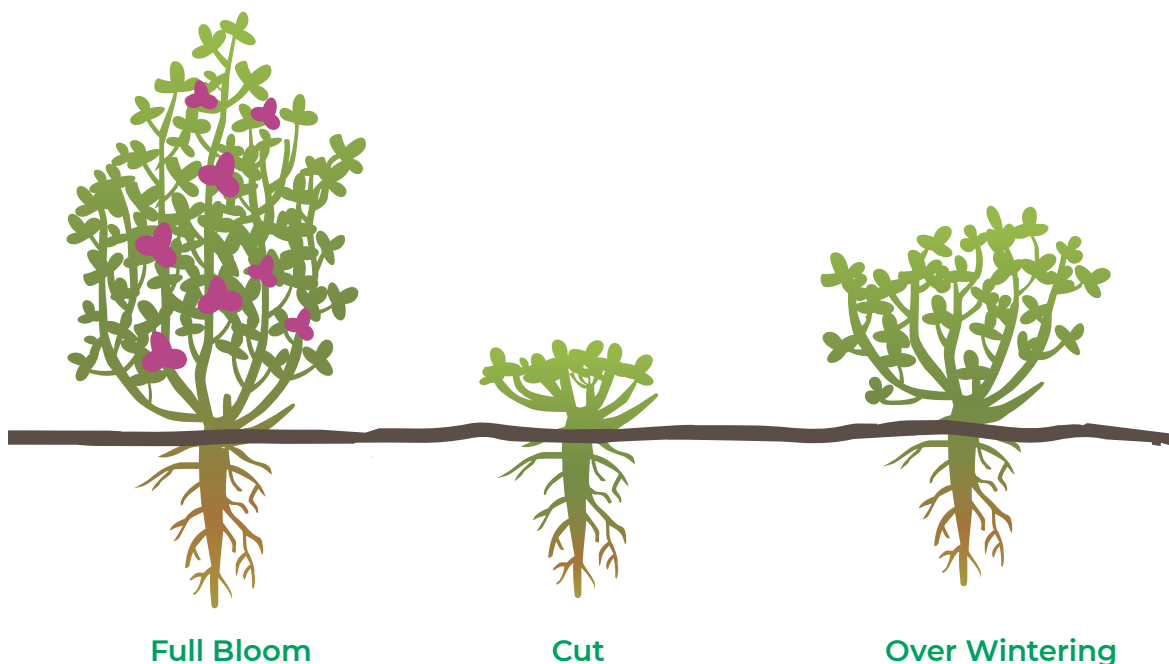
Additional Options:

- NACHURS Finish Line® (1 qt/ac)
- NACHURS 10% Boron (1–2 pt/ac)
- NACHURS Humi-flex® FA (1 pt/ac)
- NACHURS MoneyBall® (1.5 pt/ac)

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.

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Late Foliar

Initiation of Bloom

Base Late Foliar Program Options:

- NACHURS Triple Option® (2 gpa)
- NACHURS K-flex® (1 gpa)

Additional Options:

- NACHURS Finish Line® (1 qt/ac)
- NACHURS Sideswipe® (1 qt/ac)
- NACHURS 10% Boron (1–2 pt/ac)
- NACHURS Humi-flex® FA (1 pt/ac)

Fertigation

Bud to Pre-cut

Base Fertigation Program Options:

- NACHURS K-flex® (1–2 gpa)
- NACHURS K-fuel® (1–2 gpa)
- NACHURS Full-Slate™ (1–3 gpa)
- NACHURS Aqua-Tech® 2-0-20 (1–2 gpa)

Additional Options:

- NACHURS Sideswipe® (1 qt/ac)

Over Wintering

4" Re-growth

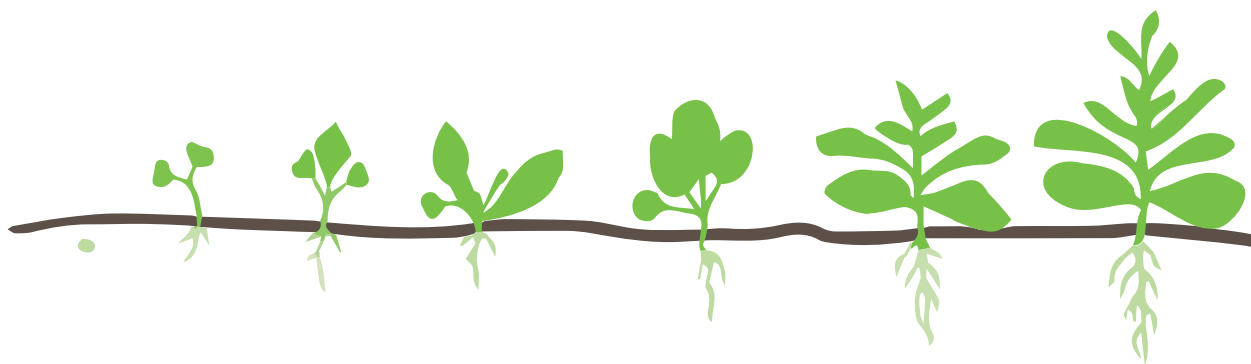
Base Over Wintering Program Options:

- NACHURS Triple Option® (2 gpa)
- NACHURS K-Flex® (1 gpa)

Additional Options:

- NACHURS Finish Line® (1 qt/ac)
- NACHURS Rhyzo-Link® PE (1 pt/ac)

Maximizing Canola Yields



Seeding

Cotyledon - Two Leaf

Four – Six Leaf

In-Furrow At Planting

Base In-Furrow Program Options:

- NACHURS Triple Option® (4–8 gpa)
- NACHURS Green Flag® (4–8 gpa)

Additional Options:

- NACHURS K-flex® (1 gpa)
- NACHURS CropMax® (1–2 pt/ac)
- NACHURS Humi-flex® FA (1 pt/ac)

Herbicide

Base Top Dress Program Options:

- NACHURS Finish Line® (1 qt/ac)
- NACHURS K-flex® (1 gpa)

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

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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.



Rosette & Bolting

Flowering

Podding & Ripening

Top Dress

Base Late Foliar Program Options:

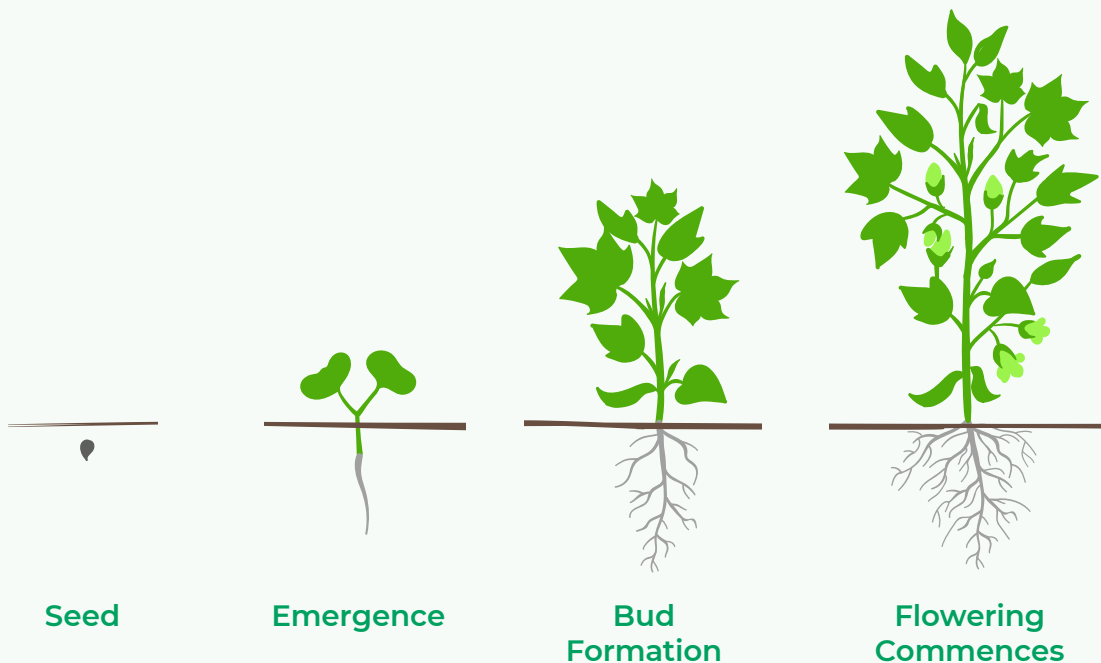
- NACHURS K-flex® (1 gpa)
- NACHURS® 10% Boron (1 qt/ac)
- NACHURS Sideline™ (1–3 gpa)
- NACHURS Full-Slate™ (1–2 gpa)

Flowering

Base Fertigation Program Options:

- NACHURS K-flex® (1 gpa)
- NACHURS Triple Option® (2–4 gpa)
- NACHURS Finish Line® (1 qt/ac)

Maximizing Cotton Yields



In-Furrow

Base In-Furrow Program Options:

- NACHURS Triple Option® (1.5–2 gpa)
- NACHURS K-fuel® (1–2 gpa) **(TX Only)**

Additional Options:

- NACHURS CropMax® (1 pt/ac)
- NACHURS Rhyzo-Link® PE (1 pt/ac)
- NACHURS Humi-flex® FA (1 pt/ac)

Beside the Row

Base Beside the Row Program Options:

- NACHURS K-flex® (½–2 gpa)
- NACHURS K-flex® Max (½–2 gpa)

Additional Options:

- NACHURS Sideswipe® (1 qt/ac)
- NACHURS Rhyzo-Link® PE (1 pt/ac)
- NACHURS Humi-flex® Max (1 qt/ac)

Side-dress Square Formation to Boll Set

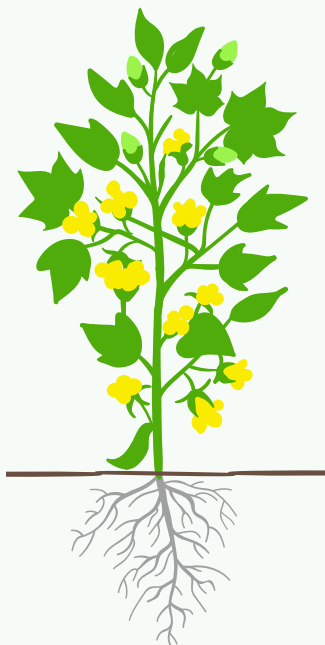
Base Sidedress Program Options:

- NACHURS K-flex® Max (2 gpa < 20 gpa UAN)
- NACHURS K-flex® (2 gpa < 20 gpa UAN)
- NACHURS Sideswipe® (1 qt/ac)
- NACHURS Throwback® (1–3 gpa)
- NACHURS Sideline™ (1–5 gpa)
- NACHURS Microzone® Ca (1 qt/ac)
- NACHURS CropMax® (1 qt/ac)

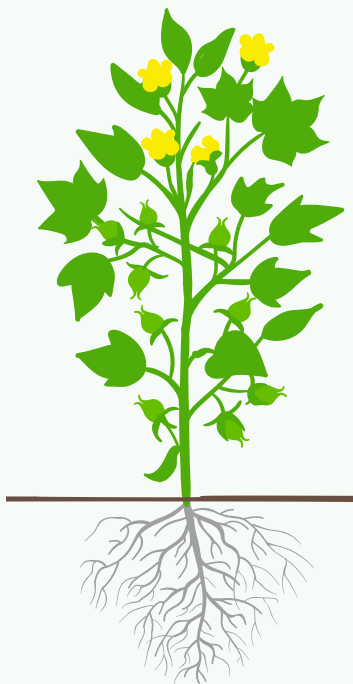
Addition application rates are optional. Consult your NACHURS Sale Representative or Agronomist.

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*PRODUCTS MAY NOT BE AVAILABLE IN EVERY STATE.



**Bolls
Set**



**Boll
Fill**



**Bolls
Open**

All Season Foliar

Herbicide Application to Boll Fill

Base Herbicide Application to Boll Fill Program Options: With Herbicide/ 2nd week & 4th week of bloom

- NACHURS K-fuel[®] (1 gpa beginning at pinhead square and again at 1st bloom and peak bloom)
- NACHURS Finish Line[®] (1 qt/ac with herbicide and/or PGR)
- NACHURS MoneyBall[®] (1.5 pt/ac)
- NACHURS Microzone[®] Ca (1 qt/ac)
- NACHURS NocKout[®] (1-2 gpa)

Fertigation

Square Formation to Boll Fill

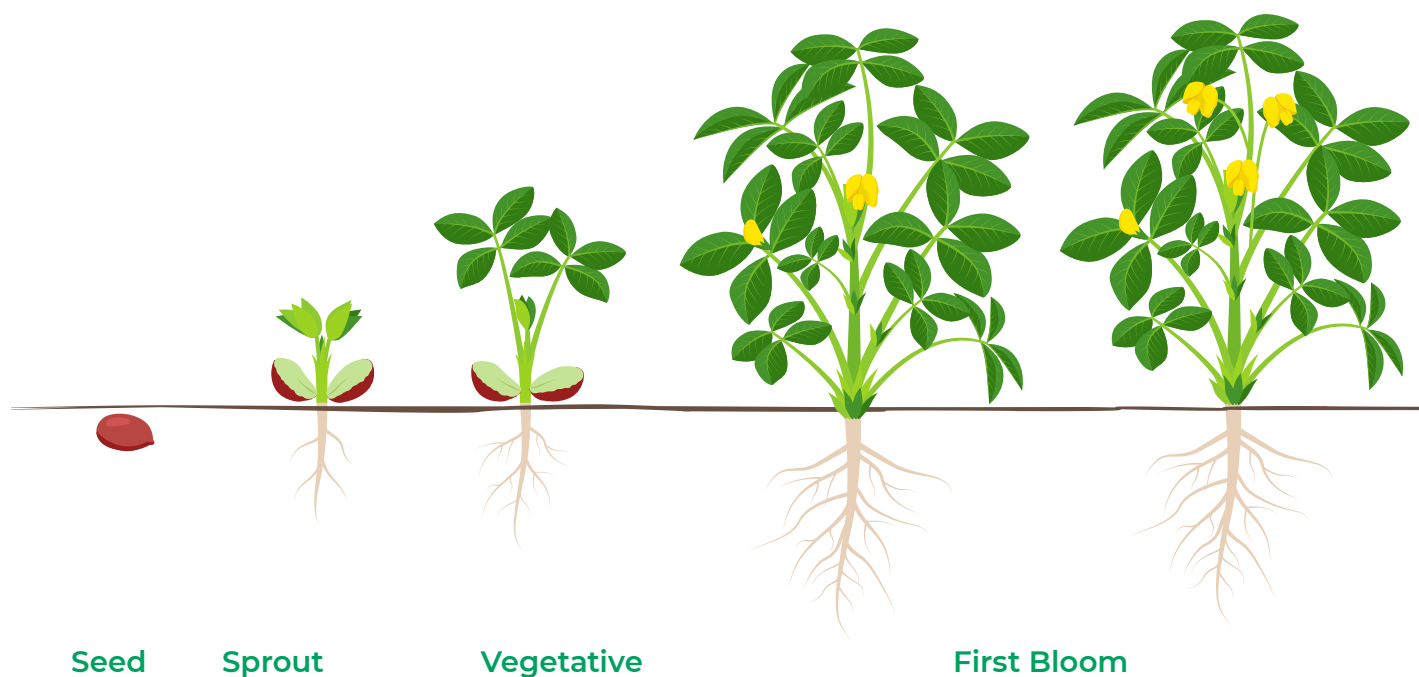
Base Fertigation program

- NACHURS K-flex[®] (1–2 gpa)
- NACHURS K-fuel[®] (1–2 gpa)
- NACHURS Aqua-Tech[®] 2-0-20 (1–2 gpa)

Additional Options:

- NACHURS Sideswipe[®] (1 qt/ac)

Maximizing Peanut Yields



Foliar 1/2/3

Base Foliar Program Options:

30 Days After Planting w/ Herbicide

- NACHURS Finish Line® (1 qt/ac)

45 Days After Planting w/ Fungicide

- NACHURS Finish Line® (1 pt/ac)

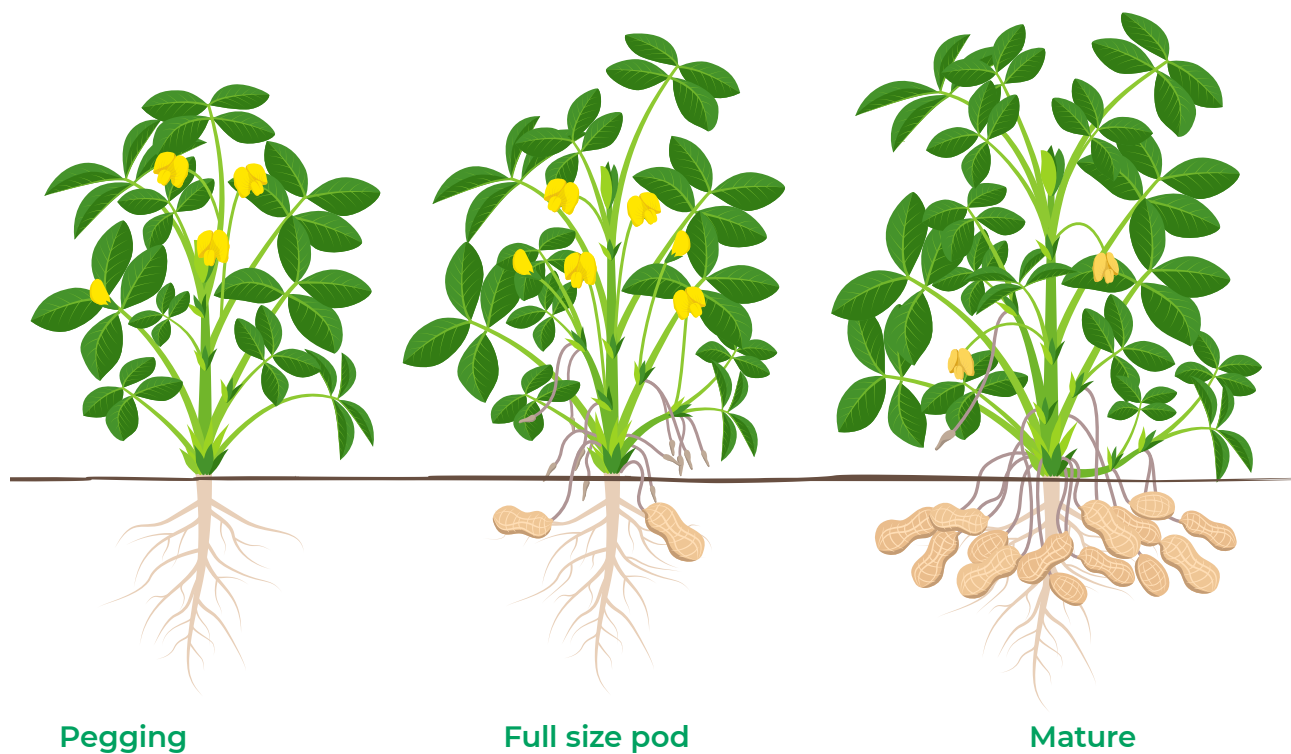
75 Days After Planting w/ Fungicide

- NACHURS Finish Line® (1 pt/ac)
- NACHURS 1-0-11 (1 qt/ac)

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Foliar 4/5

Base Foliar Program Options:

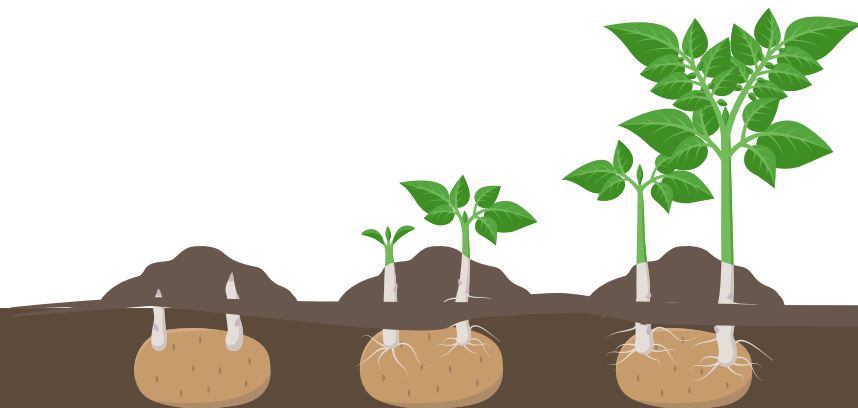
90 Days After Planting w/ Fungicide

- NACHURS K-flex® (1 gpa)
- NACHURS 1-0-11 (1 qt/ac)

110 Days After Planting w/ Fungicide

- NACHURS K-flex® (1 gpa)

Maximizing Potato Yields



Seed

Establishment

Stolon
Initiation

In-Furrow

Base In-Furrow Program Options:

- NACHURS Green Flag® (6–10 gpa)
- NACHURS 6-24-6 (6–10 gpa)
- NACHURS Triple Option® (2–5 gpa)

Additional Options:

- NACHURS K-fuel® (1–2 gpa)
- NACHURS CropMax® (1 qt/ac)
- NACHURS Humi-flex® Max (2 qt/ac)
- NACHURS Rhyzo-Link® PE (1 pt/ac)

Foliar Stolon Initiation

Base Foliar Program Options:

35 Days After Emergence For Chipping/Red Skin Varieties

- NACHURS K-fuel® (2 gpa)
- NACHURS Finish Line® (1 qt/ac)

45 Days After Emergence For Fresh Pack/Russet Varieties

- NACHURS K-fuel® (2 gpa)
- NACHURS Finish Line® (1 qt/ac)

Hilling

Base Hilling Program Options:

- NACHURS K-flex® Max (2–3 gpa)
- NACHURS K-fuel® (2–3 gpa)

Additional Options:

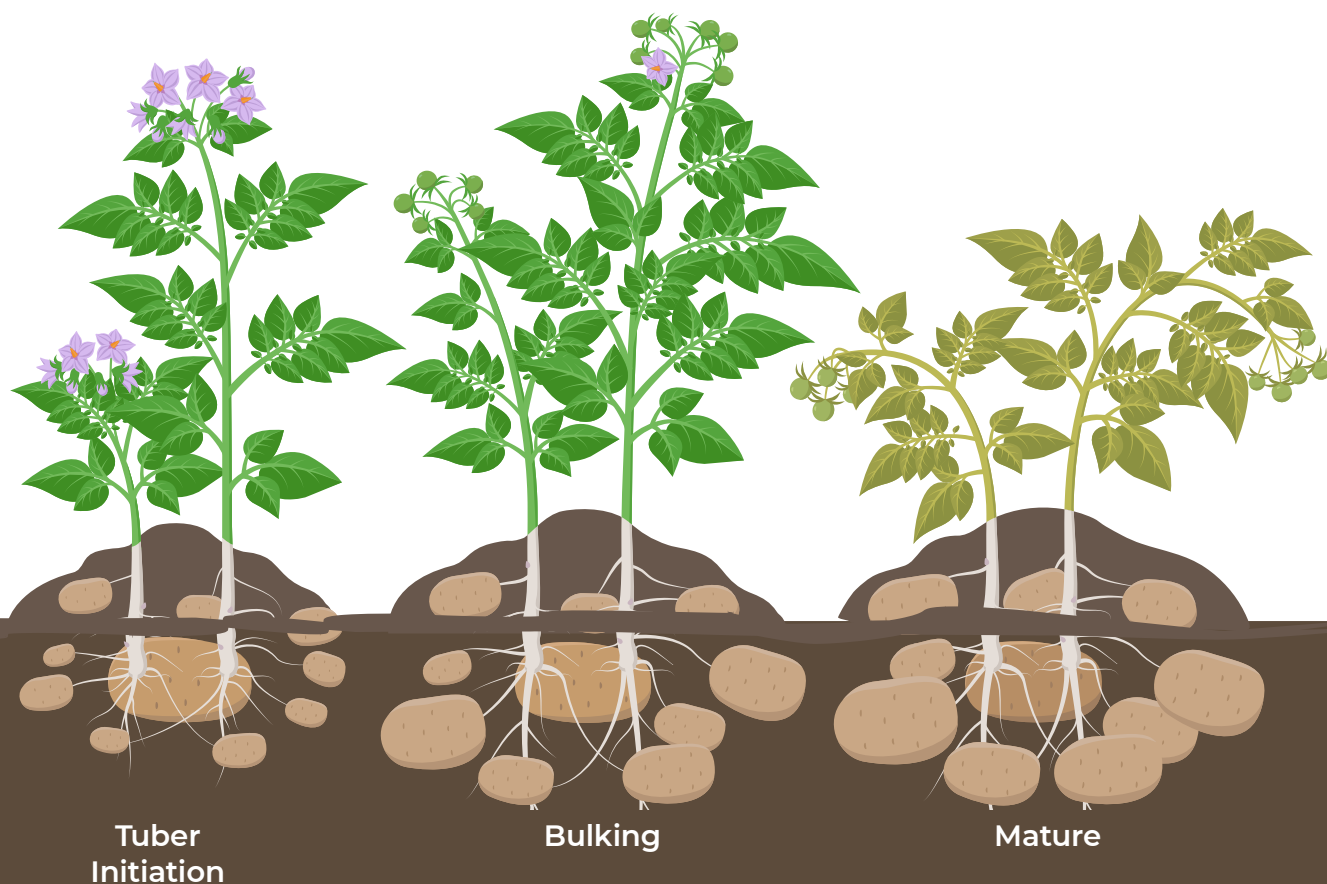
- NACHURS Sideswipe® (1 qt/ac)
- NACHURS Throwback® (1–3 gpa)
- NACHURS Microzone® Ca (1–2 qt/ac)

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.

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Foliar P

Tuber Initiation Through Bulking
Every 7 Days, 3–5 Applications

Base Foliar Program Options:

- NACHURS imPulse[®] (2 gpa)
- NACHURS First Down[®] (2 gpa)
- NACHURS Green Flag[®] (2 gpa)

Additional Options:

- NACHURS MoneyBall[®] (1.5 qt/ac)
- NACHURS K-fuel[®] (1–2 gpa)
- NACHURS Microzone[®] Mg (1–2 qt/ac)

Fertigation

Tuber Initiation Through Bulking

Base Hilling Program Options:

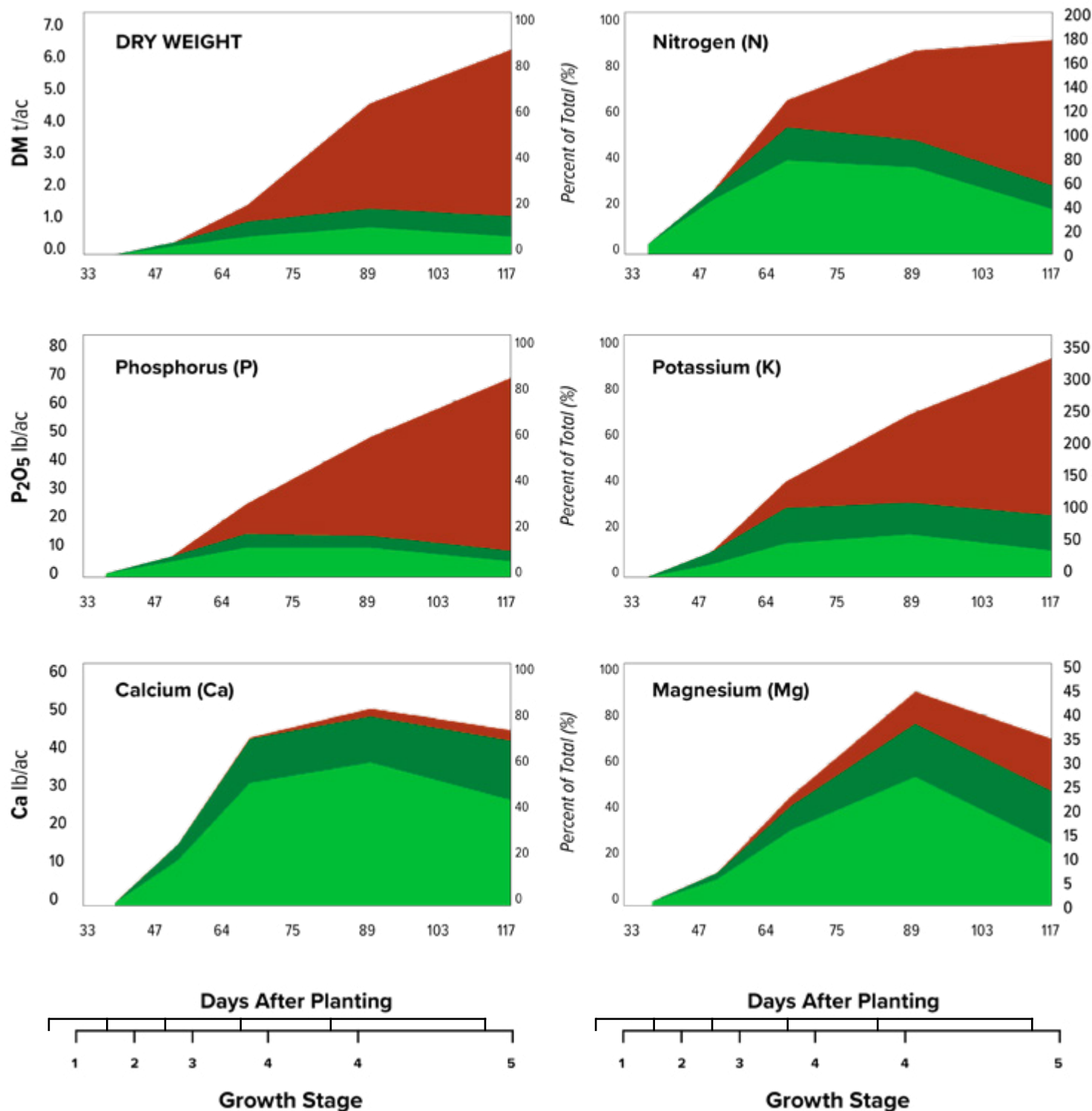
- NACHURS K-flex[®] (2 qt–2 gpa)
- NACHURS K-fuel[®] (1–2 gpa)
- NACHURS Aqua-Tech[®] 7-20-4 (1–2 gpa)

Additional Options:

- NACHURS Sideswipe[®] (1 qt/ac)
- NACHURS Microzone[®] Ca (1–2 qt/ac)

Potato Nutrient Uptake and Partitioning

Ranger Russet Potatoes | Manitoba Agriculture, Food, and Rural Initiative





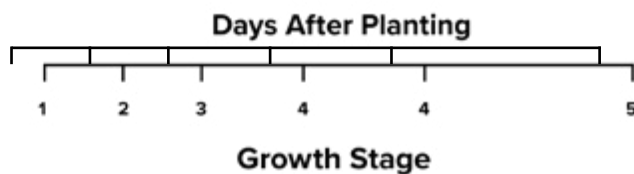
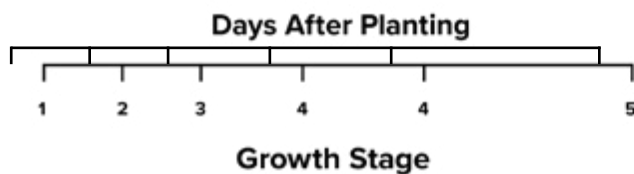
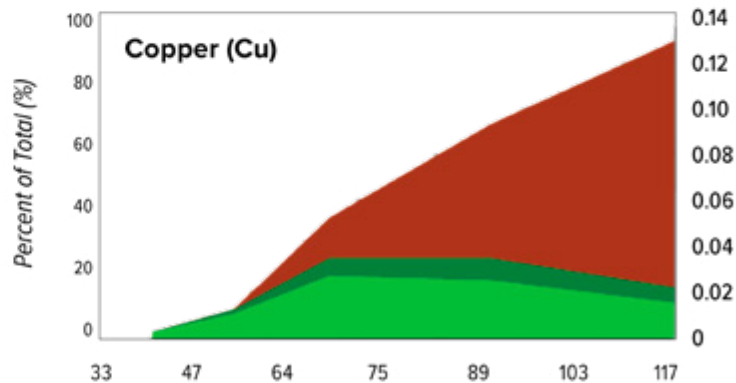
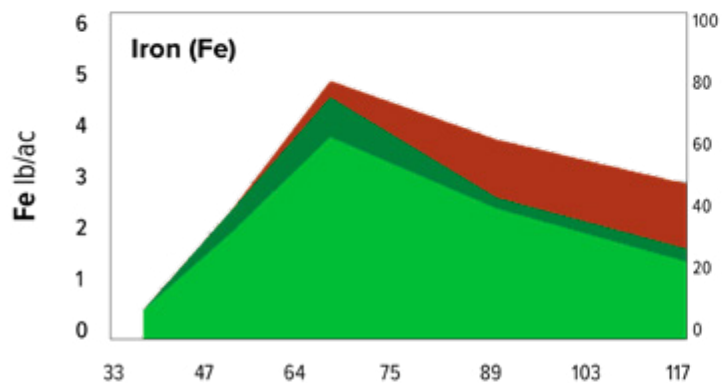
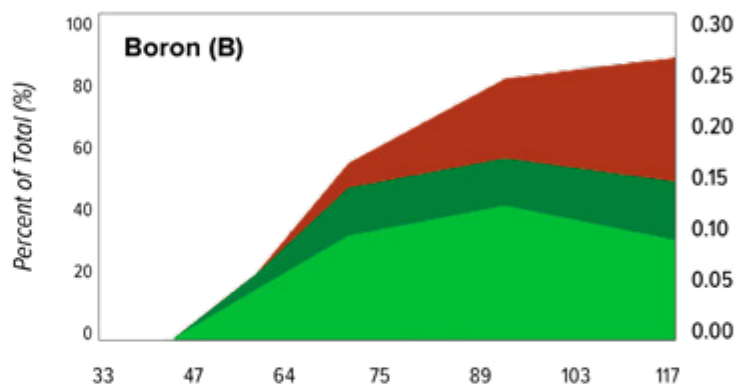
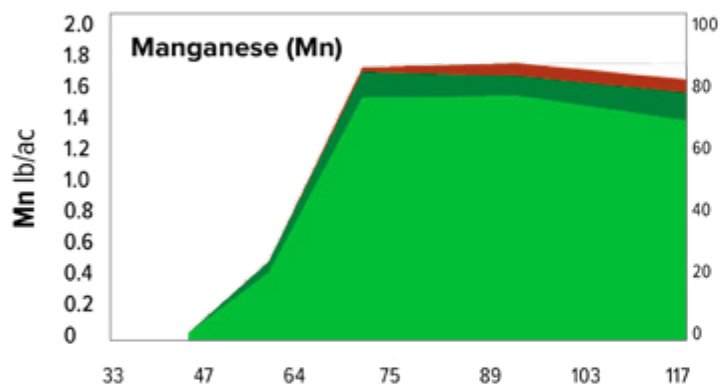
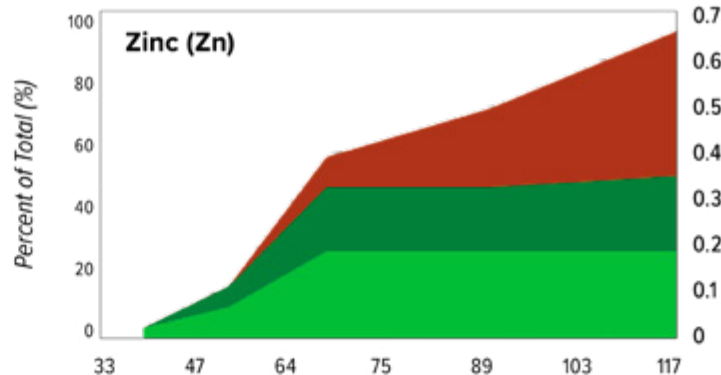
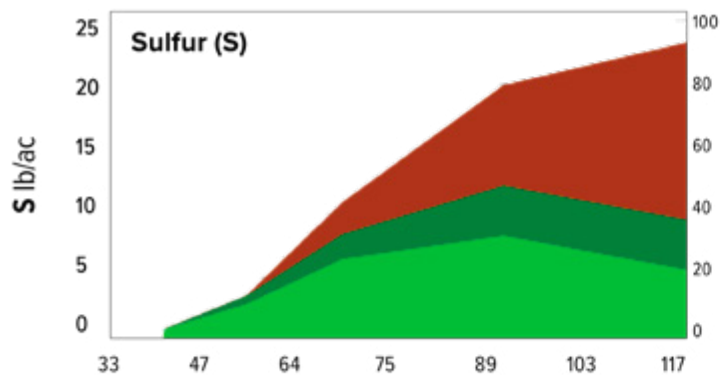
TUBER



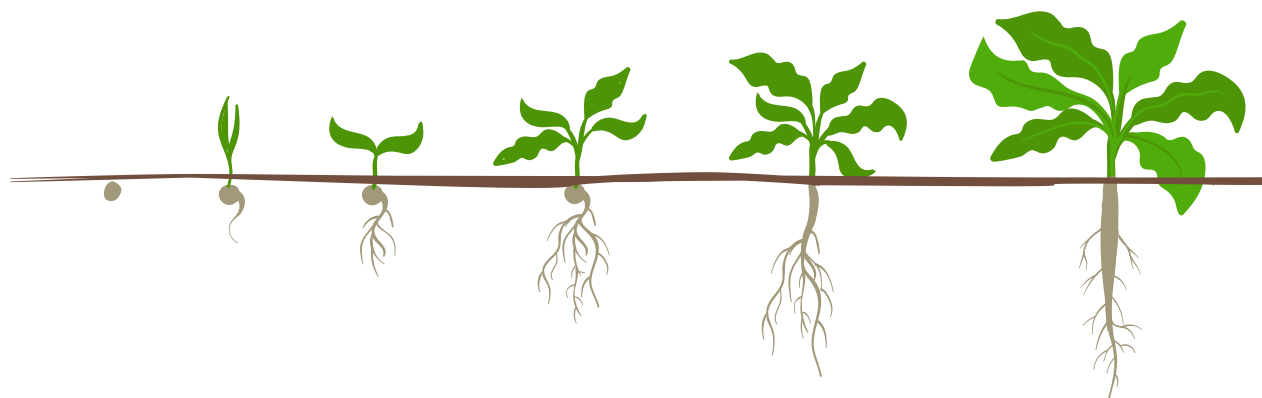
STEM



LEAF



Maximizing Sugar Beets



Seeding & Germination

In-Furrow At Planting

Base In-Furrow Program Options:

- NACHURS First Down® (2–3 gpa)
- NACHURS Green Flag® (2–3 gpa)
- NACHURS Triple Option® (2–3 gpa)

Additional Options:

- NACHURS CropMax® (1 pt/ac)
- NACHURS® 3% Ca EDTA
- NACHURS Humi-Flex® FA (1 pt/ac)
- NACHURS Rhyzo-Link PE® (1 pt/ac)

Leaf Development

Leaf Development

Early Foliar Program Options:

- NACHURS First Down® (1–3 gpa)
- NACHURS Triple Option® (1–3 gpa)
- NACHURS Balance® (1 gpa)
- NACHURS Finish Line® (1 qt/ac)
- NACHURS NocKout® (1–2 gpa)

Additional Options:

- NACHURS® 3% Ca (1 pt/ac)
- NACHURS® 2.5% Mg EDTA (1 pt/ac)
- NACHURS Humi-Flex® Max (1 pt/ac)

Vegetative

Rosette Growth

Mid-Foliar Program Options:

- NACHURS NocKout® (1–3 gpa)
- NACHURS Finish Line® (1 qt/ac)
- NACHURS Balance® (1 gpa)

Additional Options:

- NACHURS® 3% Ca EDTA
- NACHURS® 2.5% Mg EDTA (1 pt/ac)
- NACHURS Humi-Flex® Max (1 pt/ac)
- NACHURS MoneyBall® (1.5 pt/ac)



Root Development

Pre-Harvest

Root Development

Base Late Foliar Program Options:

- NACHURS K-flex[®] (1–2 gpa)

Additional Options:

- NACHURS Humi-Flex[®] Max (1 pt/ac)

Pre-Harvest

Rescue Treatment:

- NACHURS K-flex[®] (1 gpa)
- NACHURS K-fuel[®] (1 gpa)

Product Reference

Start2Finish® Products	Nutrition	PRS
NACHURS Balance® Powered by Bio-K® technology • Balanced NPK containing boron, cobalt, and molybdenum	Boron, Cobalt, Molybdenum, Nitrogen, Phosphorus, Potassium	
NACHURS Finish Line® Powered by Bio-K technology • 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 technology • 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 technology • 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 technology • 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 technology • 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 technology • 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 technology • 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 NocKout® Powered by Bio-K technology • 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	
NACHURS Sideline™ • High N and P for use at planting (i.e. 2x2) or in-season • Ready to use product removes the need for on-farm blending • Can be spiked with additional N, K-flex, and/or humic acid if needed	Nitrogen, Phosphorus, Potassium, Sulfur	
NACHURS Full-Slate™ • A unique N and high S product for soil application (preplant, 2x2, sidedress, Y-drop) as well as fertigation. • Dual modes of sulfur (thiol-S, sulfate-S) • Contains copper, molybdenum, and humic to enhance N utilization.	Copper, Molybdenum, Nitrogen, Sulfur Humic Acid	

	Nutrition	PRS
NACHURS Throwback[®] Powered by Bio-K technology - 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 technology - 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[®] - 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 Sideswipe[®] - This product is designed to maximize nutrient placement into strip-till, bedside 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	
NACHURS Microzone[®] Ca Calcium with acetate-carbon to meet high crop demands, and for the prevention/correction of nutrient deficiency.	Calcium	
NACHURS Microzone[®] Mg Magnesium with acetate-carbon to meet high crop demands, and for the prevention/correction of nutrient deficiency	Magnesium	
NACHURS MoneyBall[®] Powered by Enduro-Shield This product is a purified, high quality, marine macroalgae extract product and contains growth promotant and bioactive compounds which aid in stress mitigation and nutrient utilization. NACHURS EDTA chelated micronutrients are 100% available to the crop.	 Boron, Cobalt, Copper, Manganese, Molybdenum Macroalgae Extract, Fulvic Acid	

SPECIAL USE

NACHURS Aqua-Tech[®] 7-20-4 Powered by Bio-K technology 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 Rhyzo-Link[®] PE - 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.	Plant Growth Promoting Rhizobacteria (PGPR)	
NACHURS Humi-flex[®] Max - 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 Designed to stimulate and promote early root development when seed applied and overall plant development when foliar applied.	Fulvic Acid	

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Notes

Notes

[illegible]

PREMIUM LIQUID FERTILIZERS

Since 1946

In-furrow Starters
Micronutrients

Foliar Nutrition
Specialty Additives



start
finish 2[®]



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Dublin, OH 43017

