

Meherrin Agronomy Label Book



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Item# 5513-WA

Sysstem-Advance SR™ 5-0-0

Information regarding the contents
and levels of metals in this product
is available on the internet at
<http://www.aapfco.org/metals.htm>.

Science-Driven NutritionSM

Directions for Commercial Use:

System-Advance SR™ is intended for foliar use. Foliar: Apply 1 to 6 pints per acre with sufficient water for thorough coverage. Apply to wet – avoid over-wetting leaves and run-off. If sufficient canopy exists, System-Advance SR™ can be applied via center pivot irrigation using a fast lap. System-Advance SR™ can be applied at any time during the growing season at 7-14 day intervals for a maximum of 5 times during the growing season. However, applications are most effective when applied early to mid-season when plant demand for key micronutrients is highest. Consult Sysstem-Advance Tech Sheet for specific crop recommendations. General application timings on annual crops begin as early as 3-4 leaf stage and continue through early bloom depending on the crop. Sysstem-Advance SR™ is compatible with glyphosate and most pesticides and can be applied together if compatible. For maximum efficacy on glyphosate tolerant crops apply System-Advance SR 7-10 days after glyphosate.

APPLICATION PRECAUTIONS:

System-Advance SR™ is compatible with many fertilizers and pesticides but a compatibility check is recommended. Always ensure adequate dilution in the spray tank before adding System-Advance SR™ to any mixture. Never mix Sysstem-Advance SR™ in a concentrated form with other fertilizers or pesticides.

Guaranteed Analysis:

Total Nitrogen (N)	5.0%
Sulfur (S)	1.25%
Boron (B)	0.10%
Manganese (Mn)	2.0%
2.0% Water Soluble Manganese	
Molybdenum (Mo)	0.01%
Zinc (Zn)	4.0%

Derived from

Urea Phosphite, Boric Acid, Ammonium Molybdate, Manganese Carbonate, Zinc Oxide and Zinc Sulfate

Net Wgt 28.25 lbs / 2.5 gal

AGRO·K 

Do not mix Sysstem-Advance SR™ with pesticides that are sensitive to low pH solutions, including copper based pesticides. Do not apply in combination with citrus oils at more than 1pt/ac or 0.5%, whichever is less. Do not apply in combination with petroleum oils at more than 2qts/ac or 1.0%, whichever is less.

Do not apply Sysstem-Advance SR™ with a hand sprayer. Do not apply to wet leaf or fruit surfaces. Apply to dry plant surfaces to the point of wet. Do not over-apply to the point of run-off.

ALSO CONTAINS NON-PLANT FOOD INGREDIENTS –
19% PHOSPHOROUS ACID

WARRANTY - 1.-The manufacturer guarantees and warrants that the content and the total net weight are as stated within lawful limits.

2.-Liability of Agro-K Corporation under this warranty or otherwise shall be limited to refund of the purchase price and such refund is expressly agreed by the buyer to be the exclusive remedy.

Agro-K Corporation makes no other expressed or implied guarantee, warranty or representation, including warranties of merchantability and fitness for a purpose. Agro-K Corporation shall not be liable for direct consequential or incidental damages. No modifications of this warranty and the disclaimers herein are authorized or valid unless expressed in writing and signed by Agro-K Corporation.

SHAKE WELL BEFORE USE

US patents pending

AGRO·K 

System-Advance SR™

Science-Driven Nutrition SM

System-Advance SR™ is a foliar fertilizer combining nitrogen, sulfur, zinc, manganese, boron and moly in a phosphite form.

System-Advance SR™ is designed for use on a variety of row crops to meet peak nutrient demand timing for micronutrients between V-4 and R1. Meeting peak nutrient demand as it begins is critical to maintaining overall plant health, proper physiologically development and maximizing yield. Applying System-Advance SR™ early season on conventional and/or glyphosate tolerant crops at critical development stages will prevent and/or correct a variety of micronutrient deficiencies ensuring maximum yield potential.

System-Advance SR™, due to its systemic activity, enhances nutrient uptake and mobility within the plant. Demand for zinc, manganese and boron begin to increase dramatically between v4 & v6 when spring soils that are cold and wet often limit nutrient availability and can hinder root growth. Because System-Advance SR™ is phloem active, it provides nutrients in a form that not only satisfies specific nutritional demands, but also promotes strong root and leaf development while encouraging increased moisture and soil nutrient uptake. System-Advance SR™ is compatible with glyphosate and most fungicides making it easy to integrate into spray programs without additional field trips.

<p>Guaranteed Analysis</p> <p>Total Nitrogen (N) 5.0% Sulfur (S) 1.25% Boron (B) 0.10% Manganese (Mn) 2.0% 2.0% Water Soluble Manganese Molybdenum (Mo) 0.01% Zinc (Zn) 4.0%</p> <p>Derived From</p> <p>Urea Phosphite, Boric Acid, Ammonium Molybdate, Manganese Carbonate, Zinc Oxide and Zinc Sulfate</p> <p>Availability</p> <p>2-5 gallon</p> <p>Directions For Use</p> <p>System-Advance SR™ is intended for foliar use. Foliar: Apply 1 to 6 pints per acre with sufficient water for thorough coverage. Apply to wet – avoid over-wetting leaves and run-off. If sufficient canopy exists, System-Advance SR™ can be applied via center pivot irrigation using a fast lap. System-Advance SR™ can be applied at any time during the growing season at 7-14 day intervals for a maximum of 5 times during the growing season. However, applications are most effective when applied early to mid-season when plant demand for key micronutrients is highest. Consult System-Advance Tech Sheet for specific crop recommendations. General application timings on annual crops begin as early as 3-4 leaf stage and continue through early bloom depending on the crop. System-Advance SR™ is compatible with glyphosate and most pesticides and can be applied together if compatible. For maximum efficacy on glyphosate tolerant crops apply System-Advance SR 7-10 days after glyphosate.</p>

FOLIAR NUTRIENTS



Suggested Uses

Corn

(Field Corn, Popcorn and Sweet Corn). Apply 2 to 4 pints per application, from v4 thru v12. If growing glyphosate tolerant corn, System-Advance SR can be applied with glyphosate or preferably applied separately 7-10 days after glyphosate application. If applying on conventional corn in combination with other fertilizers or pesticides, a compatibility jar test is recommended before tank mixing. If sufficient canopy is available applications can be made via overhead irrigation preferably utilizing a “fast lap”. Make 1 to 3 applications per growing season. Do not apply more frequently than 7 day intervals.

Soybeans

Apply 1 to 3 pints per application. First application should be made at the second to third trifoliolate. If growing glyphosate tolerant soybeans, System-Advance SR can be applied with glyphosate or preferably applied separately 7-10 days after glyphosate application. If applying on conventional beans in combination with other fertilizers or pesticides, a compatibility jar test is recommended before tank mixing.

Sorghum & Milo

Apply 1 to 3 pints with post-emergent herbicides. A compatibility jar test is recommended before tank mixing. If sufficient canopy is available System-Advance SR can also be applied through overhead irrigation preferably utilizing a “fast lap”.

Sugar Beets

Apply 1 to 4 pints per application. If applying with fungicide or herbicide in a narrow band, use 1 pint per acre. System Advance SR can be applied with each herbicide application or chemigated via overhead irrigation with sufficient leaf canopy. If growing glyphosate tolerant beets, System-Advance SR can be applied with glyphosate or preferably applied separately 7-10 days after glyphosate application. Do not apply more frequently than 7 day intervals.

Dry Beans, String Beans and Peas

Apply 1 to 2 quarts per application. Apply anytime from 1st tri-foliolate through bloom. System Advance SR can be applied with fungicides and insecticides. If applying with herbicides, a jar test is recommended.

Alfalfa

Apply 1-2 quarts per application. Make first application when regrowth is 2 to 3 inches tall or when applying herbicides, fungicides or insecticides. A compatibility check is recommended. Additional applications can be made after each cutting at 3 to 4 inches of regrowth. If applying via overhead irrigation, apply on the second revolution.

Spring Seeded Small Grains (including crops grown for hay)

Apply 1-3 pints per acre with herbicide, or just prior to strong foliar growth, and/or at flag leaf formation. A compatibility jar test is recommended especially if applying with amine formulations.

Winter Wheat

Apply 1 to 4 pints/acre with spring fertilizer or herbicide application or through overhead irrigation. A second application can be made from flag leaf formulation through head fill. System-Advance SR can be applied with fungicides or insecticides. A compatibility jar test is recommended.

Cotton

Apply 1 to 4 pints per application. If growing glyphosate tolerant cotton, System-Advance SR can be applied with glyphosate or preferably applied separately 7-10 days after glyphosate application. Do not apply more frequently than 7 day intervals.



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Item# 5023-WA

Sysstem[®]-CAL

Information regarding the contents and levels of metals in this product is available on the internet at <http://www.aapfco.org/metals.htm>.

Science-Driven NutritionSM

Directions for Commercial Use:

System-CAL is intended for foliar use. Foliar: Apply 1 to 4 quarts per acre with sufficient water for thorough coverage. Product can be applied at 7 to 14 day intervals for a maximum of 8 times during the growing season. Avoid applications when temperatures are extreme (above 85°F). Foliar fertilization is intended to supplement standard ground fertility programs and will not by itself provide all nutrients normally required by agricultural crops. If you have any questions regarding mixing or application rates contact your Agro-K dealer before using this product.

APPLICATION PRECAUTIONS:

System-CAL is compatible with many fertilizers and pesticides but a compatibility check is recommended. Always ensure adequate dilution in the spray tank before adding System-CAL to any mixture. Never mix System-CAL in a concentrated form with other fertilizers or pesticides.

Do not mix System-CAL with pesticides that are sensitive to low pH solutions, including copper based pesticides. Do not apply in combination with citrus oils at more than 1pt/ac or 0.5%, whichever is less. Do not apply in combination with petroleum oils at more than 2qts/ac or 1.0%, whichever is less.

Do not apply System-CAL with a hand sprayer. Do not apply to wet leaf or fruit surfaces. Apply to dry plant surfaces to the point of wet. Do not over-apply to the point of run-off.

ALSO CONTAINS NON-PLANT FOOD INGREDIENTS –
12% PHOSPHOROUS ACID

Guaranteed Analysis:

Calcium (Ca) 4.0%
Copper (Cu) 0.25%

Derived from
Calcium Carbonate, Copper Carbonate

Net Wgt. 25 lbs. /2.5 gal



Warranty

1.-The manufacturer guarantees and warrants that the content and the total net weight are as stated within lawful limits.

2.-Liability of Agro-K Corporation under this warranty or otherwise shall be limited to refund of the purchase price and such refund is expressly agreed by the buyer to be the exclusive remedy.

Agro-K Corporation makes no other expressed or implied guarantee, warranty or representation, including warranties of merchantability and fitness for a purpose. Agro-K Corporation shall not be liable for direct consequential or incidental damages. No modifications of this warranty and the disclaimers herein are authorized or valid unless expressed in writing and signed by Agro-K Corporation.

SHAKE WELL BEFORE USE

WARNING
KEEP OUT OF REACH OF CHILDREN

US patents pending



System™ -Cal

Science-Driven NutritionSM

System™-Cal, is a calcium and copper foliar fertilizer designed to improve fruit quality and firmness. Soil available calcium does not move easily within plants because it translocates mainly within the transpirational system - moving generally to the leaves - where it gets bound in cell wall structures. System™-Cal is specifically designed for foliar use to address this issue and supply calcium directly to the fruit. System™-Cal links calcium to a unique trans-locating mobility-ion that greatly improves calcium uptake and mobility.

Calcium is a key component of cell wall development; increased calcium levels lead to thicker, firmer cell walls, which improves overall fruit integrity, firmness and shelf life. System™-Cal can be used at all plant growth stages but is particularly effective between pre-bloom and early fruit development. When used at the proper timings, System™-Cal can increase fruit calcium levels and help improve proper nutrient ratios (like N/Ca, K/Ca) that directly influence fruit quality (firmness and storage life) and marketable yield.

System™-Cal is part of Agro-K's revolutionary System foliar line. System™ products are designed to work together to maximize crop quality. They are compatible with each other and most pesticides, making them easy to integrate into spray programs.

Guaranteed Analysis	Calcium (Ca) - 4.0% Copper (Cu) – 0.25%
Derived From	Calcium derived from Calcium Carbonate Copper derived from Copper Carbonate
Availability	2.5 and 250 gallon
Directions For Use	System-Cal is intended for foliar use only. Foliar: Apply 1 to 5 quarts per acre (2.5 to 10 liters per hectare) with sufficient water for thorough coverage. Do not apply during the "sunlight" hours when air temperature is above 85° F/30° C. Foliar fertilization is intended to supplement standard ground fertility programs and will not by itself provide all nutrients normally required by agricultural crops. If you have any questions regarding mixing or application rates contact Agro-K before using this product. System-Cal is compatible with many fertilizers and pesticides, but compatibility checks are recommended before mix. If mixing System-Cal with other products, dilute System-Cal in a full spray tank first before adding other products. System-Cal should not be mixed with pesticides or other products that are sensitive to low pH solutions.

FOLIAR NUTRIENTS



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S Y S T E M - C A L T E C H S H E E T

Suggested Uses

Tomatoes, Peppers, Cucumbers

Apply 1 to 4 quarts per acre per application. For fresh pick crops, apply beginning at first bloom and reapply at 10-14 day intervals through the final harvest.

Lettuce, Spinach and Other Leafy Vegetables as well as Broccoli, Cauliflower and Other Brassica Varieties

Apply 1 to 4 quarts per acre per application. Apply the first application 7 days after transplanting, thinning, or at second true leaf stage. Apply two to three subsequent applications at 10 day intervals

Corn, Beans and Peas

Apply 1 to 4 quarts per acre per application. A first application can be ground applied with starter fertilizers if carefully mixed in a dilute solution (contact Agro-K for more information). Otherwise, apply the first application at the second or third leaf. Apply one to two subsequent applications at 10 to 14 day intervals or as needed to supplement nutritional requirements.

Strawberries

Apply 1 to 4 quarts per acre per application. Apply the first application immediately pre-bloom. Reapply at 7-14 day intervals through the final picking.

Potatoes, Onions and Other Vegetable Root, Bulb or Tuber Crops

Apply 1 to 5 quarts per acre per application. Apply the first application at 10 days pre-hooking. Apply three subsequent applications at 10 to 14 day intervals.

Nut Crops

Apply 1 to 4 quarts per acre per application. Apply first application pre-bloom. Apply subsequent applications at petal fall and 10-14 days later.

Plums, Peaches, Cherries and Other Stone Fruits

Apply 1 to 4 quarts per acre per application. Apply first application at pink to first bloom. Apply subsequent applications at 10-14 day intervals up to pit hardening.

Apples, Pears and Other Pome Fruits

Apply 1 to 4 quarts per acre per application. Apply first application at pink to first bloom. Apply subsequent applications at petal fall and 10-14 days later.

Citrus and Avocados

Apply 1 to 4 quarts per acre per application. Apply first application pre-bloom. Apply subsequent applications at 30 day intervals up to harvest or as needed to supplement nutritional requirements.

Grapes

Apply 1 to 4 quarts per acre per application. Apply first application two weeks prior to bloom. Apply subsequent applications at bloom and at shatter.

Blueberries

Apply 1 to 4 quarts per acre per application. Apply first application at first bloom. Apply 2-3 subsequent applications at 10-14 day intervals.

Raspberries, Blackberries and Other Caneberries

Apply 1 to 3 quarts per acre per application. Apply first application pre-bloom. Apply subsequent applications at 10-14 day intervals throughout the season.



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Item# 5203-WA

System™ -K

0-0-20

Information regarding the contents and levels of metals in this product is available on the internet at <http://www.aapfco.org/metals.htm>.

Science-Driven NutritionSM

Directions for Commercial Use:

System-K is for soil or foliar use. Foliar: Apply 1 to 5 quarts per acre (2.5 to 12.5 liters per hectare) with sufficient water for thorough coverage. Product can be applied at 7 to 14 day intervals for a maximum of 5 times during the growing season. Avoid applications when temperatures are extreme (above 90°F/32°C). Foliar fertilization is intended to supplement standard ground fertility programs and will not by itself provide all nutrients normally required by agricultural crops. Soil Use: Apply 2 to 5 quarts per acre (2.5 to 12.5 liters/hectare). Product can be injected in to irrigation systems or band sprayed at the base of crop row. If you have any questions regarding mixing or application rates contact your Agro-K dealer before using this product. System-K is compatible with many fertilizers and pesticides, but a compatibility check is recommended.

APPLICATION PRECAUTIONS:

System-K is compatible with many fertilizers and pesticides but a compatibility check is recommended. Always ensure adequate dilution in the spray tank before adding System-K to any mixture. Never mix System-K in a concentrated form with other fertilizers or pesticides.

Do not mix System-K with pesticides that are sensitive to low pH solutions, including copper based pesticides. Do not apply in combination with citrus oils at more than 1pt/ac or 0.5%, whichever is less. Do not apply in combination with petroleum oils at more than 2qts/ac or 1.0%, whichever is less.

Do not apply System-K with a hand sprayer. Do not apply to wet leaf or fruit surfaces. Apply to dry plant surfaces to the point of wet. Do not over-apply to the point of run-off.

ALSO CONTAINS NON-PLANT FOOD INGREDIENTS –
30% PHOSPHOROUS ACID

Guaranteed Analysis:
Soluble Potash (K₂O) 20%

Derived from
Potassium Phosphite

Net Wgt. 31.25 lbs. /2.5 gal

AGRO·K 

Warranty

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- 2.-Liability of Agro-K Corporation under this warranty or otherwise shall be limited to refund of the purchase price and such refund is expressly agreed by the buyer to be the exclusive remedy.

Agro-K Corporation makes no other expressed or implied guarantee, warranty or representation, including warranties of merchantability and fitness for a purpose. Agro-K Corporation shall not be liable for direct consequential or incidental damages. No modifications of this warranty and the disclaimers herein are authorized or valid unless expressed in writing and signed by Agro-K Corporation.

SHAKE WELL BEFORE USE

WARNING
KEEP OUT OF REACH OF CHILDREN

US patents pending

AGRO·K 

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Item# 5173-WA

Sysstem[®]-MG

Information regarding the contents and levels of metals in this product is available on the internet at <http://www.aapfco.org/metals.htm>.

Science-Driven NutritionSM

Directions for Commercial Use:

System-MG is intended for foliar use. Foliar: Apply 1 to 2 quarts per acre (2.5 to 5 liters per hectare) with sufficient water for thorough coverage. Product can be applied at 7 to 14 day intervals for a maximum of 5 times during the growing season. Avoid applications when temperatures are extreme (above 90°F/32°C). Foliar fertilization is intended to supplement standard ground fertility programs and will not by itself provide all nutrients normally required by agricultural crops. If you have any questions regarding mixing or application rates contact your Agro-K dealer before using this product.

APPLICATION PRECAUTIONS:

System-MG is compatible with many fertilizers and pesticides but a compatibility check is recommended. Always ensure adequate dilution in the spray tank before adding Sysstem-MG to any mixture. Never mix Sysstem-MG in a concentrated form with other fertilizers or pesticides.

Do not mix Sysstem-MG with pesticides that are sensitive to low pH solutions, including copper based pesticides. Do not apply in combination with citrus oils at more than 1pt/ac or 0.5%, whichever is less. Do not apply in combination with petroleum oils at more than 2qts/ac or 1.0%, whichever is less.

Do not apply Sysstem-MG with a hand sprayer. Do not apply to wet leaf or fruit surfaces. Apply to dry plant surfaces to the point of wet. Do not over-apply to the point of run-off.

ALSO CONTAINS NON-PLANT FOOD INGREDIENTS –
35% PHOSPHOROUS ACID

Guaranteed Analysis:
Magnesium (Mg) 5.0%

Derived from
Magnesium Carbonate

Net Wgt. 29 lbs. /2.5 gal



Warranty

- 1.-The manufacturer guarantees and warrants that the content and the total net weight are as stated within lawful limits.
- 2.-Liability of Agro-K Corporation under this warranty or otherwise shall be limited to refund of the purchase price and such refund is expressly agreed by the buyer to be the exclusive remedy.

Agro-K Corporation makes no other expressed or implied guarantee, warranty or representation, including warranties of merchantability and fitness for a purpose. Agro-K Corporation shall not be liable for direct consequential or incidental damages. No modifications of this warranty and the disclaimers herein are authorized or valid unless expressed in writing and signed by Agro-K Corporation.

SHAKE WELL BEFORE USE

WARNING
KEEP OUT OF REACH OF CHILDREN

US patents pending



System™ -MG

Science-Driven NutritionSM

System™-MG is a foliar magnesium fertilizer which can be used at all plant growth stages to correct magnesium deficiencies but is particularly effective early season when plant demand for magnesium peaks. The elemental magnesium in System™-MG is linked to a unique trans-locating mobility-ion that enhances the nutrient uptake and mobility within the plant. System™-MG's special form makes it significantly more effective than standard foliar magnesium products that have limited uptake and plant availability. Proper nutrient balance is critical to maintaining overall plant health and for proper physiological development.

As the central element in chlorophyll, magnesium is critical in effective chlorophyll development and thus photosynthesis. Peak demand timing for magnesium is early season as leaf and chlorophyll development occurs. Because zinc is critical in leaf development and size, magnesium and zinc are synergistic nutrients and are needed simultaneously. System™-Zn and System™-MG are compatible and designed to work together. Utilizing these two System™ products together helps establish the plant factory that is necessary in any crop to support, size and deliver quality fruit at harvest.

System™-MG is part of Agro-K's System™ foliar line. System™ products are designed to work together to maximize crop quality. They are compatible with each other and most pesticides, making them easy to integrate into spray programs.

Guaranteed Analysis	Magnesium (Mg) - 5%
Derived From	Magnesium derived from Magnesium Carbonate
Availability	2.5 and 250 gallon
Directions For Use	System-MG is intended for foliar use only. Foliar: Apply 1 to 5 quarts per acre with sufficient water for thorough coverage. Spray in early morning or late afternoon. Do not apply during the "sunlight" hours when air temperature is above 85° F/30° C. Foliar fertilization is intended to supplement standard ground fertility programs and will not by itself provide all nutrients normally required by agricultural crops. If you have any questions regarding mixing or application rates contact Agro-K before using this product. System-MG is compatible with many fertilizers and pesticides, but compatibility checks are recommended before mix. If mixing System-MG with other products, dilute System-MG in a full spray tank first before adding other products. System-MG should not be mixed with pesticides or other products that are sensitive to low pH solutions.

FOLIAR NUTRIENTS



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Suggested Uses

Tomatoes, Peppers, Cucumbers

Apply 1 to 2 quarts per acre per application. Apply the first application 7 days after transplanting, thinning or at second true leaf stage. Apply subsequent applications at 10-14 day intervals as needed to correct deficiencies or supplement nutritional requirements.

Lettuce, Spinach and Other Leafy Vegetables as well as Broccoli, Cauliflower and Other Brassica Varieties

Apply 1 to 2 quarts per acre per application. Apply the first application 7 days after transplanting, thinning, or at second true leaf stage. Apply one or two subsequent applications at 10 to 14 day intervals or as needed to supplement nutritional requirements.

Corn, Beans and Peas

Apply 1 to 2 quarts per acre per application. A first application can be ground applied with starter fertilizers if carefully mixed in a dilute solution (contact Agro-K for more information). Otherwise, apply the first application at the second or third leaf. Apply one to two subsequent applications at 10 to 14 day intervals or as needed to supplement nutritional requirements.

Strawberries

Apply 1 to 2 quarts per acre per application. Apply the first application 7-10 days after transplanting. Reapply at 7-14 day intervals through first bloom. System™-MG is compatible with System™-ZN and can be applied together. Peak plant demand timing for magnesium is similar to that of zinc and applying both nutrients simultaneously can be beneficial.

Potatoes, Onions and Other Vegetable Root, Bulb or Tuber Crops

Apply 1 to 5 quarts per acre per application. Apply the first application 2-3 weeks post emergence. Apply a subsequent application at hooking, plus two more applications at 14 day intervals.

Nut Crops

Apply 1 to 4 quarts per acre per application. Apply first application at bud break. Apply a subsequent application pre-bloom. Reapply System™-MG within 2-3 weeks post harvest to prepare tree and buds for next season. System™-MG is compatible with System™-ZN and can be applied together with magnesium both during spring and post-harvest applications. Peak plant demand timing for magnesium is similar to that of zinc and applying both nutrients simultaneously can be beneficial.

Blueberries

Apply 1 to 3 quarts per acre per application. Apply first application post-bloom as leaves are developing rapidly. Apply 1 or 2 subsequent applications as needed. Reapply System™-MG within 2-3 weeks post harvest to prepare tree and buds for next season. System™-MG is compatible with System™-ZN and can be applied together with magnesium both during spring and post-harvest applications. Peak plant demand timing for magnesium is similar to that of zinc and applying both nutrients simultaneously can be beneficial.

Plums, Peaches, Cherries and Other Stone Fruits

Apply 1 to 3 quarts per acre per application. Apply first application post-bloom as leaves are developing rapidly. Apply 1 or 2 subsequent applications as needed. Reapply System™-MG within 2-3 weeks post harvest to prepare tree and buds for next season. System™-MG is compatible with System™-ZN and can be applied together with magnesium both during spring and post-harvest applications. Peak plant demand timing for magnesium is similar to that of zinc and applying both nutrients simultaneously can be beneficial.

Apples, Pears and Other Pome Fruits

Apply 1 to 4 quarts per acre per application. Apply first application at green tip or bud break. Apply 1 to 2 subsequent applications pre-bloom.

Reapply System™-MG within 2-3 weeks post harvest to prepare tree and buds for next season. System™-MG is compatible with System™-ZN and can be applied together with magnesium both during spring and post-harvest applications. Peak plant demand timing for magnesium is similar to that of zinc and applying both nutrients simultaneously can be beneficial.

Citrus and Avocados

Apply 1 to 4 quarts per acre per application. Apply first application pre-bloom. Apply subsequent applications post-harvest.

Grapes

Apply 1 to 2 quarts per acre per application. Apply first application between budbreak and 6" of shoot growth. Apply 1-2 subsequent applications between early shoot development and bloom. Reapply System™-MG within 2-3 weeks post harvest to prepare tree and buds for next season. System™-MG is compatible with System™-ZN and can be applied together with magnesium both during spring and post-harvest applications. Peak plant demand timing for magnesium is similar to that of zinc and applying both nutrients simultaneously can be beneficial.

Raspberries, Blackberries and Other Caneberries

Apply 1 to 2 quarts per acre per application. Apply first application after bud break and reapply pre-bloom. Reapply System™-MG within 2-3 weeks post harvest to prepare tree and buds for next season. System™-MG is compatible with System™-ZN and can be applied together with magnesium both during spring and post-harvest applications. Peak plant demand timing for magnesium is similar to that of zinc and applying both nutrients simultaneously can be beneficial.



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Item# 5193-WA

System™ - MN

Information regarding the contents and levels of metals in this product is available on the internet at <http://www.aapfco.org/metals.htm>.

Science-Driven NutritionSM

Directions for Commercial Use:

System-MN is intended for foliar use. Foliar: Apply 1 to 4 pints per acre with sufficient water for thorough coverage. Product can be applied at 7 to 14 day intervals for a maximum of 5 times during the growing season. Avoid applications when temperatures are extreme (above 90°F/32°C). Foliar fertilization is intended to supplement standard ground fertility programs and will not by itself provide all nutrients normally required by agricultural crops. If you have any questions regarding mixing or application rates contact your Agro-K dealer before using this product.

APPLICATION PRECAUTIONS:

System-MN is compatible with many fertilizers and pesticides but a compatibility check is recommended. Always ensure adequate dilution in the spray tank before adding System-MN to any mixture. Never mix System-MN in a concentrated form with other fertilizers or pesticides.

Do not mix System-MN with pesticides that are sensitive to low pH solutions, including copper based pesticides. Do not apply in combination with citrus oils at more than 1pt/ac or 0.5%, whichever is less. Do not apply in combination with petroleum oils at more than 2qts/ac or 1.0%, whichever is less.

Do not apply System-MN with a hand sprayer. Do not apply to wet leaf or fruit surfaces. Apply to dry plant surfaces to the point of wet. Do not over-apply to the point of run-off.

ALSO CONTAINS NON-PLANT FOOD INGREDIENTS -
35% PHOSPHOROUS ACID

Guaranteed Analysis:
Manganese (Mn) 4.5%

Derived from
Manganese Carbonate

Net Wgt 26.3 lbs / 2.5 gal



Warranty

- 1.-The manufacturer guarantees and warrants that the content and the total net weight are as stated within lawful limits.
- 2.-Liability of Agro-K Corporation under this warranty or otherwise shall be limited to refund of the purchase price and such refund is expressly agreed by the buyer to be the exclusive remedy.

Agro-K Corporation makes no other expressed or implied guarantee, warranty or representation, including warranties of merchantability and fitness for a purpose. Agro-K Corporation shall not be liable for direct consequential or incidental damages. No modifications of this warranty and the disclaimers herein are authorized or valid unless expressed in writing and signed by Agro-K Corporation.

SHAKE WELL BEFORE USE

WARNING
KEEP OUT OF REACH OF CHILDREN

US patents pending



System®-MN

Science-Driven NutritionSM

System®-MN is a foliar manganese fertilizer. System®-MN can be used at all plant growth stages to correct manganese deficiencies. Proper nutrient balance is critical to maintaining overall plant health and for proper physiological development. Manganese is important in a variety of plant functions such as nitrogen utilization, nodulization in legumes, root development and plant defense. Manganese enhances color in green fruits, such as Granny Smith apples.

System®-MN is part of Agro-K's System foliar line. The elemental manganese in System®-MN is linked to a unique trans-locating mobility-ion that enhances the nutrient uptake and mobility within the plant. System®-MN's special form makes it significantly more effective than standard foliar manganese products that have limited uptake and plant availability. System™ products are designed to work together to maximize crop quality. They are compatible with each other and most pesticides, making them easy to integrate into spray programs.

Guaranteed Analysis	Manganese (Mn) - 4.5%
Derived From	Manganese derived from Manganese Carbonate
Availability	2.5 and 250 gallon
Directions For Use	System®-MN is intended for foliar use only. Foliar: Apply 1 to 4 quarts per acre with sufficient water for thorough coverage. Spray in early morning or late afternoon. Do not apply during the "sunlight" hours when air temperature is above 85° F/30° C. Foliar fertilization is intended to supplement standard ground fertility programs and will not by itself provide all nutrients normally required by agricultural crops. If you have any questions regarding mixing or application rates contact Agro-K before using this product. System®-MN is compatible with many fertilizers and pesticides, but compatibility checks are recommended before mix. If mixing System®-MN with other products, dilute System®-MN in a full spray tank first before adding other products. System®-MN should not be mixed with pesticides or other products that are sensitive to low pH solutions.

FOLIAR NUTRIENTS



Agro-K Corporation 8030 Main Street, NE Minneapolis, MN 55432 Phone: 763-780-4116
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S Y S T E M - M N T E C H S H E E T

Suggested Uses

Tomatoes, Peppers, Cucumbers

Apply 1 to 2 quarts per acre per application. Apply the first application 7 days after transplanting, thinning or at second true leaf stage. Apply subsequent applications at 14 day intervals as needed to correct deficiencies or supplement nutritional requirements.

Lettuce, Spinach and Other Leafy Vegetables as well as Broccoli, Cauliflower and Other Brassica Varieties

Apply 1 to 2 quarts per acre per application. Apply the first application 7 days after transplanting, thinning, or at second true leaf stage. Apply one or two subsequent applications at 10 to 14 day intervals or as needed to supplement nutritional requirements.

Corn, Beans and Peas

Apply 1 to 2 quarts per acre per application. A first application can be ground applied with starter fertilizers if carefully mixed in a dilute solution (contact Agro-K for more information). Otherwise, apply the first application at the second or third leaf. Apply one to two subsequent applications at 10 to 14 day intervals or as needed to supplement nutritional requirements. If growing a herbicide tolerant variety apply product with herbicide.

Strawberries

Apply 1 to 2 quarts per acre per application. Apply the first application 7-10 days after transplanting. Reapply at 7-14 day intervals or as needed to supplement nutritional requirements.

Potatoes, Onions and Other Vegetable Root, Bulb or Tuber Crops

Apply 1 to 4 quarts per acre per application. Apply the first application 2-3 weeks post emergence. Apply one to two subsequent applications at 10 to 14 day intervals or as needed to supplement nutritional requirements

Nut Crops

Apply 1 to 2 quarts per acre per application. Apply first application at bud break. Apply subsequent applications at petal fall and nut fill or as needed to supplement nutritional requirements.

Plums, Peaches, Cherries and Other Stone Fruits

Apply 1 to 2 quarts per acre per application. Apply first application at green tip on plums and at pink bud on nectarines and other stone fruit. Apply subsequent applications at 30 day intervals up to pit hardening or as needed to supplement nutritional requirements.

Apples, Pears and Other Pome Fruits

Apply 1 to 2 quarts per acre per application. Apply first application at green tip or bud break. Apply subsequent applications at petal fall and post thinning as needed to supplement nutritional requirements.

Citrus and Avocados

Apply 1 to 4 quarts per acre per application. Apply first application pre-bloom. Apply subsequent applications at 30 day intervals up to harvest or as needed to supplement nutritional requirements.

Grapes

Apply 1 to 2 quarts per acre per application. Apply first application two weeks prior to bloom. Apply subsequent applications as needed and determined by leaf analysis.

Raspberries, Blackberries and Other Caneberries

Apply 1 to 2 quarts per acre per application. Apply first application pre-bloom. Apply subsequent applications at 7-14 day intervals as needed to supplement nutritional requirements.



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Item# 5483

Sysstem™ -Moly-Z

Information regarding the contents
and levels of metals in this product
is available on the internet at
<http://www.aapfco.org/metals.htm>.

Science-Driven NutritionSM

Directions for Commercial Use:

System-Moly-Z is intended for foliar use. Foliar. Apply 1 to 2 quarts per acre (2.5 to 5 liters per hectare) with sufficient water for thorough coverage. Product can be applied at 7 to 14 day intervals for a maximum of 5 times during the growing season. If a spreader/sticker is needed, pre-mix System-Moly-Z with SprayTech Oil at a rate of 1 pint/acre (1 liter per hectare). Spray in early morning or late afternoon. Do not apply during the "sunlight" hours when air temperature is above 85° F/30° C. Foliar fertilization is intended to supplement standard ground fertility programs and will not by itself provide all nutrients normally required by agricultural crops. If you have any questions regarding mixing or application rates contact your Agro-K dealer before using this product. System-Moly-Z is compatible with many fertilizers and pesticides, but a compatibility check is recommended. Do not mix System-Moly-Z with nicotoid based insecticides or other products that require an alkaline solution.

APPLICATION PRECAUTIONS:

System-Moly-Z is compatible with many fertilizers and pesticides but a compatibility check is recommended. Always ensure adequate dilution in the spray tank before adding System-Moly-Z to any mixture. Never mix System-Moly-Z in a concentrated form with other fertilizers or pesticides.

Do not mix System-Moly-Z with pesticides that are sensitive to low pH solutions, including copper based pesticides. Do not apply in combination with citrus oils at more than 1pt/ac or 0.5%, whichever is less. Do not apply in combination with petroleum oils at more than 2qts/ac or 1.0%, whichever is less.

Do not apply System-Moly-Z with a hand sprayer. Do not apply to wet leaf or fruit surfaces. Apply to dry plant surfaces to the point of wet. Do not over-apply to the point of run-off.

ALSO CONTAINS NON-PLANT FOOD INGREDIENTS -
25% PHOSPHOROUS ACID

Guaranteed Analysis:
Molybdenum (Mo) 0.4%
Zinc (Zn) 7.5%

Derived from
Zinc Carbonate and Ammonium Molybdate

Net Wgt 29 lbs / 2.5 gal



Warranty

1.-The manufacturer guarantees and warrants that the content and the total net weight are as stated within lawful limits.

2.-Liability of Agro-K Corporation under this warranty or otherwise shall be limited to refund of the purchase price and such refund is expressly agreed by the buyer to be the exclusive remedy.

Agro-K Corporation makes no other expressed or implied guarantee, warranty or representation, including warranties of merchantability and fitness for a purpose. Agro-K Corporation shall not be liable for direct consequential or incidental damages. No modifications of this warranty and the disclaimers herein are authorized or valid unless expressed in writing and signed by Agro-K Corporation.

SHAKE WELL BEFORE USE

WARNING KEEP OUT OF REACH OF CHILDREN

The application of fertilizing materials containing molybdenum (Mo) may result in forage crops containing levels of molybdenum (Mo) which are toxic to ruminant animals.



System™ -MolyZ

Science-Driven NutritionSM

System™-MolyZ is a foliar zinc and molybdenum fertilizer that is designed for early season use up through pre-bloom sprays on tree and vine crops and on legume crops. System™-MolyZ is particularly effective at early season & pre-bloom when zinc demand peaks. Molybdenum has been shown to be particularly effective in increasing fruit set. The elemental zinc and molybdenum in System™-MolyZ are linked to a unique trans-locating mobility-ion that enhances the nutrient uptake and mobility within the plant. System™-MolyZs special form makes it significantly more effective than standard foliar products that have limited uptake and plant availability.

Zinc plays many important functions within the plant. It regulates various hormone functions that are necessary to ensure proper bud break, root and vascular development and optimal leaf size. Because zinc is critical in leaf development and size, field results show applying System™-MolyZ early season can dramatically increase leaf size, maximizing total photosynthesis surface area – a key factor in a plant’s ability to support and size a heavy crop load.

System™-MolyZ is part of Agro-K’s revolutionary System™ foliar line. System products are designed to work together to maximize crop quality. They are compatible with each other and most pesticides, making them easy to integrate into spray programs.

Guaranteed Analysis
Zinc (Zn) - 7.5% Molybdenum (Mo) - 0.4%
Derived From
Zinc Carbonate and Ammonium Molybdate
Availability
2.5 and 250 gallon
Directions For Use
System-MolyZ is intended for foliar use. Foliar: Apply 1 to 2 quarts per acre with sufficient water for thorough coverage. Product can be applied at 7 to 14 day intervals for a maximum of 5 times during the growing season. Avoid applications when temperatures are extreme (above 90°F/32°C). Foliar fertilization is intended to supplement standard ground fertility programs and will not by itself provide all nutrients normally required by agricultural crops. If you have any questions regarding mixing or application rates contact Agro-K before using this product.

FOLIAR NUTRIENTS



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Suggested Uses

Almonds, Walnuts and Other Nut Crops

Apply 1 to 2 quarts per acre per application. Apply first application approximately 30 days pre-bloom and repeat 7-10 days pre-bloom.

Plums, Peaches, Cherries and Other Stone Fruits

Apply 1 to 2 quarts per acre per application. Apply first application approximately 30 days pre-bloom and repeat 7-10 days pre-bloom.

Apples, Pears and Other Pome Fruits

Apply 1 to 2 quarts per acre per application. Apply first application approximately 30 days pre-bloom and repeat 7-10 days pre-bloom.

Citrus and Avocados

Apply 1 to 2 quarts per acre per application. Apply first application approximately 30 days pre-bloom and repeat 7-10 days pre-bloom.

Grapes

Apply 1 to 2 quarts per acre per application. Apply first application approximately 30 days pre-bloom and repeat 7-10 days pre-bloom.

Blueberries

Apply 1 to 2 quarts per acre per application. Apply first application approximately 30 days pre-bloom and repeat 7-10 days pre-bloom.

Raspberries, Blackberries and Other Caneberries

Apply 1 to 2 quarts per acre per application. Apply first application approximately 30 days pre-bloom and repeat 7-10 days pre-bloom.

Legume Crops

Use of System-MolyZ can benefit legume crops by enhancing root mass, root nodulation and seed set. On alfalfa and forage crops apply 1-2 qts/ac when regrowth is between 2-4". Reapplications can be made after each cutting at the 2-4" stage. On legumes where increased seed set is desired, apply 1-2 qts/ac between 7-10 days pre-bloom and 5 % bloom.



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Item# 5293-WA

Sysstem-Ready™

Information regarding the contents and levels of metals in this product is available on the internet at <http://www.aapfco.org/metals.htm>.

Science-Driven NutritionSM

Directions for Commercial Use:

Sysstem-Ready™ is intended for foliar use. Foliar: Apply 1 to 8 pints per acre with sufficient water for thorough coverage. Apply to wet – avoid over-wetting leaves and run-off. Do not apply to wet fruit and leaves in slow drying conditions. Sysstem-Ready™ can be applied at any time during the growing season at 5-14 day intervals for a maximum of 5 times during the growing season. Applications are most effective when applied early in the growing season when plant demand for zinc and manganese is highest. Recommended timings on annual crops begin as early as 2-3 leaf stage and continue through early bloom depending on the crop. Sysstem-Ready™ is compatible with glyphosate and most pesticides and can be applied together. Recommended timings on perennial tree fruit, nut, vine and berries crops: Apply in appropriate environmental conditions during rapid shoot and leaf development. Apply at any time during the growing season when zinc and/or manganese deficiencies are present. Apply at hull split on nut crops. Apply post-harvest, while leaves are still in good condition, on tree fruit, nut and vine crops.

APPLICATION PRECAUTIONS:

Sysstem-Ready™ is compatible with many fertilizers and pesticides but a compatibility check is recommended. Always ensure adequate dilution in the spray tank before adding Sysstem-Ready™ to any mixture. Never mix Sysstem-Ready™ in a concentrated form with other fertilizers or pesticides.

Guaranteed Analysis:
Manganese (Mn) 2.75%
Zinc (Zn) 4.25%

Derived from
Manganese Carbonate and Zinc Carbonate

Net Wgt 28.25 lbs / 2.5 gal



Do not mix Sysstem-Ready™ with pesticides that are sensitive to low pH solutions, including copper based pesticides. Do not apply in combination with citrus oils at more than 1pt/ac or 0.5%, whichever is less. Do not apply in combination with petroleum oils at more than 2qts/ac or 1.0%, whichever is less.

Do not apply Sysstem-Ready™ with a hand sprayer. Do not apply to wet leaf or fruit surfaces. Apply to dry plant surfaces to the point of wet. Do not over-apply to the point of run-off.

WARRANTY - 1.-The manufacturer guarantees and warrants that the content and the total net weight are as stated within lawful limits.

2.-Liability of Agro-K Corporation under this warranty or otherwise shall be limited to refund of the purchase price and such refund is expressly agreed by the buyer to be the exclusive remedy.

Agro-K Corporation makes no other expressed or implied guarantee, warranty or representation, including warranties of merchantability and fitness for a purpose. Agro-K Corporation shall not be liable for direct consequential or incidental damages. No modifications of this warranty and the disclaimers herein are authorized or valid unless expressed in writing and signed by Agro-K Corporation.

SHAKE WELL BEFORE USE

US patents pending



System-Ready™

Science-Driven NutritionSM

System-Ready™ is a foliar fertility combining zinc and manganese phosphite. System-Ready™ is designed for early season use in a wide variety of row crops to meet peak nutrient demand timing for zinc and manganese. Proper nutrient balance is critical to maintaining overall plant health, proper physiologically development and maximizing yield. Applying System-Ready™ early season on conventional and/or glyphosate tolerant crops will prevent and/or correct micronutrient deficiencies ensuring that maximum yield.

System-Ready™, due to its unique mobility and trans-locating ion, enhances nutrient uptake and mobility within the plant. Growing plants experience peak demand for zinc and manganese early in their development cycle, when spring soils that are cold and wet often limit nutrient availability and hinder root growth. Because System-Ready™ is phloem active, it provides zinc and manganese in a form that not only satisfies the nutrient need, but also promotes strong root and leaf development while encouraging increased moisture and nutrient uptake. System-Ready™ is compatible with glyphosate and most fungicides making it easy to integrate into spray programs without additional field trips.

<p>Guaranteed Analysis</p> <p>Manganese (Mn) - 2.75% Zinc (Zn) - 4.25%</p>
<p>Derived From</p> <p>Manganese Carbonate and Zinc Carbonate</p>
<p>Availability</p> <p>2.5 and 250 gallon</p>
<p>Directions For Use</p> <p>System-Ready™ is intended for foliar use. Foliar: Apply 1 to 5 pints per acre with sufficient water for thorough coverage. System-Ready™ is designed to supply zinc and manganese to developing plants. System-Ready™ can be applied at anytime during the growing season at 7-14 day intervals for a maximum of 5 times during the growing season. Applications are most effective when applied early in the growing season when plant demand for zinc and manganese is highest. Recommended timings begin at the 3-4 leaf stage and continue through early bloom depending on the crop. System-Ready™ is compatible with glyphosate and most pesticides and can be applied together. If you have any questions regarding mixing or application rates or timings, contact Agro-K before using this product.</p>

FOLIAR NUTRIENTS



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Toll Free: 800-329-2418 Fax: 763-780-4316 www.agro-k.com info@agro-k.com

FERTILIZER TECH SHEET

Suggested Uses

Corn

Apply 1 to 2 quarts per acre per application. Apply first application at v-4 to v-6. If growing glyphosate tolerant corn, product can be applied with glyphosate or applied separately 8-10 days after glyphosate. If a second glyphosate application is made Sysstem-Ready can also be applied with the second weed control spray.

Soybeans

Apply 1 to 2 quarts. Application should be made at second to third trifoliate. If growing glyphosate tolerant soybeans, product can be applied with glyphosate or applied separately 8-10 days after glyphosate.

Sugar Beets

Apply 2 to 4 pints per acre per application. Apply first application at 3-4 leaf stage followed by a second application 14- 21 days later. Application can be combined with most fungicide or insecticide applications, but a compatibility check is recommended. If growing glyphosate tolerant sugar beets, product can be applied with glyphosate or applied separately 8-10 days after glyphosate.

Dry Beans, String Beans and Peas

Apply 1 to 2 quarts. The most effective application window is from 7-10 days after spring weed control application through first bloom.

Alfalfa and Hay Crops

Apply 1-2 quarts per application. First application can be made in the spring prior to strong foliar growth. Additional applications can be made 7-10 days after each cutting. Wait until sufficient leaf surface is available after cutting before applying. Applications can be made via center pivot irrigation as along as sufficient foliage canopy is available. Minimize the amount of water applied to no more than ¼ inch and run center pivot at fast speed.

Potatoes, Onions and Other Vegetable Root, Bulb or Tuber Crops

Apply 1 to 5 quarts per acre per application. Apply the first application at full rosette. Apply one to two subsequent applications at 14 day intervals. Applications can be made via center pivot irrigation after row closure has happened. Minimize the amount of water applied to no more than ¼ inch and run center pivot at fast speed.

Lettuce, Spinach, Endive and Other Leafy Vegetables

Apply 1 to 3 pints per acre application. Apply lower labeled rates at first application, 7-10 days after transplanting, thinning, or at second true leaf stage. Apply one or two subsequent applications at higher labeled rates at 10 to 14 day intervals or as needed to supplement nutritional requirements and/or push growth and size.



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Item# 550

Sysstem-PecanTM

Information regarding the contents
and levels of metals in this product
is available on the internet at
<http://www.aapfco.org/metals.htm>.

Science-Driven NutritionSM

Directions for Commercial Use:

Sysstem-Pecan is designed for foliar use. Foliar: Apply 1 to 4 quarts per acre with sufficient water for thorough coverage. Product can be applied at 7 to 14 day intervals for a maximum of 5 times during the growing season. Avoid applications when temperatures are extreme (above 90°F). Foliar fertilization is intended to supplement standard ground fertility programs and will not by itself provide all nutrients normally required by agricultural crops. If you have any questions regarding mixing or application rates contact your Agro-K dealer before using this product.

APPLICATION PRECAUTIONS:

Sysstem-Pecan is compatible with many fertilizers and pesticides but a compatibility check is recommended. Always ensure adequate dilution in the spray tank before adding Sysstem-Pecan to any mixture. Never mix Sysstem-Pecan in a concentrated form with other fertilizers or pesticides.

Do not mix Sysstem-Pecan with pesticides that are sensitive to low pH solutions, including copper based pesticides. Do not apply in combination with citrus oils at more than 1pt/ac or 0.5%, whichever is less. Do not apply in combination with petroleum oils at more than 2qts/ac or 1.0%, whichever is less.

Do not apply Sysstem-Pecan with a hand sprayer. Do not apply to wet leaf or fruit surfaces. Apply to dry plant surfaces to the point of wet. Do not over-apply to the point of run-off.

ALSO CONTAINS NON-PLANT FOOD INGREDIENTS -
35% PHOSPHOROUS ACID

Guaranteed Analysis:

Nickel (Ni) 0.8%
Zinc (Zn) 8.0%

Derived from
Nickel Carbonate, Zinc Carbonate

Net Wgt 28.25 lbs / 2.5 gal



Warranty

1.-The manufacturer guarantees and warrants that the content and the total net weight are as stated within lawful limits.

2.-Liability of Agro-K Corporation under this warranty or otherwise shall be limited to refund of the purchase price and such refund is expressly agreed by the buyer to be the exclusive remedy.

Agro-K Corporation makes no other expressed or implied guarantee, warranty or representation, including warranties of merchantability and fitness for a purpose. Agro-K Corporation shall not be liable for direct consequential or incidental damages. No modifications of this warranty and the disclaimers herein are authorized or valid unless expressed in writing and signed by Agro-K Corporation.

SHAKE WELL BEFORE USE

WARNING
KEEP OUT OF REACH OF CHILDREN

US patents pending



System[®]-Pecan

Science-Driven NutritionSM

System[®]-Pecan is a foliar fertilizer combining zinc and nickel phosphite.

System[®]-Pecan is designed for early season use in pecans and other crops requiring zinc and nickel to meet peak nutrient demand timing for zinc and nickel. Proper nutrient balance is critical for maintaining overall plant health, to support proper physiological development, and for maximizing yield.

Applying System[®]-Pecan early season will prevent and/or correct micronutrient deficiencies ensuring maximum nut yield.

System[®]-Pecan, due to its unique phosphite base, enhances nutrient uptake and mobility within the plant. Early season is peak demand for zinc to maximize leaf and root development. Nickel is also a critical micronutrient on pecans. Nickel deficiencies can result in “mouse ear”. Because System[®]-Pecan is phloem active, it provides zinc and nickel in a form that not only satisfies the nutrient needs of the tree, but also promotes strong root and leaf development while encouraging increased nutrient uptake. System[®]-Pecan is compatible most fungicides and insecticides making it easy to integrate into spray programs without additional field trips.

<p>Guaranteed Analysis</p> <p>Nickel (Ni) - 0.8% Zinc (Zn) - 8.0%</p>
<p>Derived From</p> <p>Nickel Carbonate and Zinc Carbonate</p>
<p>Availability</p> <p>2.5</p>
<p>Directions For Use</p> <p>System-Pecan is designed for foliar use. Foliar: Apply 1 to 4 quarts per acre with sufficient water for thorough coverage. Product can be applied at 7 to 14 day intervals for a maximum of 5 times during the growing season. Avoid applications when temperatures are extreme (above 90°F). Foliar fertilization is intended to supplement standard ground fertility programs and will not by itself provide all nutrients normally required by agricultural crops. If you have any questions regarding mixing or application rates contact your Agro-K dealer before using this product.</p>

FOLIAR NUTRIENTS



PECAN APPLICATION GUIDELINES

Apply 1 to 4 quarts per acre per application. Apply first application after bud break during early leaf expansion. Make subsequent applications on 7-21 day intervals as indicated by the crop. Apply no more than 5 applications annually. Foliar apply with air-blast type sprayers in a minimum of 40 gallons of water per acre. System-Pecan is compatible with other Agro-K System products and can be tank mixed for application. Consult your crop advisor for more information.

System-Pecan is compatible with many fertilizers and pesticides but a compatibility check is recommended. Always ensure adequate dilution in the spray tank before adding System-Pecan to any mixture. Never mix System-Pecan in a concentrated form with other fertilizers or pesticides. Do not mix System-Pecan with pesticides that are sensitive to low pH solutions, including copper based products.



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Item# 5233

Sysstem-SeaCal™

Information regarding the contents and levels of metals in this product is available on the internet at <http://www.aapfco.org/metals.htm>.

Science-Driven NutritionSM

Directions for Commercial Use:

Sysstem Sea-Cal is designed for foliar use on fruit and nut crops to maximize cell division and to build strong, durable cell walls. Sysstem Sea-Cal is most effective beginning at first bloom and continuing through the end of cell division. The recommended application rate is 1 to 4 quarts per acre. Sysstem Sea-Cal can be applied 2 - 3 times @ 7 - 10 day intervals between first bloom and the end of cell division. On annual crops that bloom continuously, Sysstem Sea-Cal can be used throughout the season at 14 - 21 day intervals. Sysstem Sea-Cal can also be used during the growing season to prior to periods of intense heat to minimize heat stress on all plants.

APPLICATION PRECAUTIONS:

Sysstem Sea-Cal is compatible with many fertilizers and pesticides but a compatibility check is recommended. Always ensure adequate dilution in the spray tank before adding Sysstem Sea-Cal to any mixture. Never mix Sysstem Sea-Cal in a concentrated form with other fertilizers or pesticides.

Do not mix Sysstem Sea-Cal with pesticides that are sensitive to low pH solutions, including copper based pesticides. Do not apply in combination with citrus oils at more than 1pt/ac or 0.5%, whichever is less. Do not apply in combination with petroleum oils at more than 2qts/ac or 1.0%, whichever is less.

Do not apply Sysstem Sea-Cal with a hand sprayer. Do not apply to wet leaf or fruit surfaces. Apply to dry plant surfaces to the point of wet. Do not over-apply to the point of run-off.

ALSO CONTAINS NON-PLANT FOOD INGREDIENTS -
12% PHOSPHOROUS ACID

Guaranteed Analysis: Calcium (Ca) 4.0%

Derived from
Calcium Carbonate and Ascophyllum Nodosum

Net Wgt 25 lbs / 2.5 gal
Net Wgt. 11.36 kg / 9.46 L



Warranty

- 1.-The manufacturer guarantees and warrants that the content and the total net weight are as stated within lawful limits.
- 2.-Liability of Agro-K Corporation under this warranty or otherwise shall be limited to refund of the purchase price and such refund is expressly agreed by the buyer to be the exclusive remedy.

Agro-K Corporation makes no other expressed or implied guarantee, warranty or representation, including warranties of merchantability and fitness for a purpose. Agro-K Corporation shall not be liable for direct consequential or incidental damages. No modifications of this warranty and the disclaimers herein are authorized or valid unless expressed in writing and signed by Agro-K Corporation.

**SHAKE WELL BEFORE USE
KEEP OUT OF REACH OF CHILDREN**

US patents pending



System™ -SeaCal

Science-Driven NutritionSM

System™-SeaCal, combines two powerful foliar

materials, System-Cal® and SymSpray® into one convenient package. Agro-K's calcium phosphite fertilizer, System-Cal, is designed to improve fruit quality and firmness leading to higher packouts.

Agro-K's foliar seaweed, SymSpray, is designed to enhance a variety of physiological stages such as flowering, fruit/nut set, fruit/nut retention and fruit/nut size. Combined into one package these two foliar materials can be instrumental in helping growers maximize fruit quality, yield and profitability.

Many soils can be short in available calcium. In addition, calcium does not move easily in the soil or within plant tissue. It is translocated through the xylem - moving generally to the leaves - where it gets bound into cell wall structures. Calcium is a key component of cell wall development; increased fruit/nut calcium levels lead to thicker, firmer cell walls which improve overall fruit integrity, firmness, weight and shelf life. System™-SeaCal addresses the limited mobility of calcium by supplying it directly to the fruit and surrounding foliage in a phosphite formulation which greatly improves uptake and mobility.

Peak demand timing for calcium is during fruit cell division which begins immediately at fruit set and continues through fruit/nut cell division. Seaweeds and the natural growth promoting compounds they contain are also most beneficial at this time encouraging fruit/nut cell division which is the first step in maximizing fruit/nut size. System™-SeaCal is part of Agro-K's revolutionary System foliar line. System™ products are designed to work together to maximize crop quality. They are compatible with each other and most pesticides, making them easy to integrate into spray programs.

Guaranteed Analysis
Total Phosphoric Acid (P ₂ O ₅) - 14.0% Calcium (Ca) 4.0%
Derived From
Phosphorous Acid, Calcium Carbonate and Ascophyllum Nodosum
Availability
2.5 gallon
Directions For Use
System Sea-Cal is designed for foliar use on fruit and nut crops to maximize cell division and to build strong, durable cell walls. System Sea-Cal is most effective beginning at first bloom and continuing through the end of cell division. The recommended application rate is 1 to 4 quarts per acre. System Sea-Cal can be applied 2 - 3 times @ 7 - 10 day intervals between first bloom and the end of cell division. On annual crops that bloom continuously, System Sea-Cal can be used throughout the season at 14 - 21 day intervals. System Sea-Cal can also be used during the growing season before periods of intense heat to minimize heat stress on all plants.

FOLIAR NUTRIENTS



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Toll Free: 800-328-2418 Fax: 763-780-4316 www.agro-k.com info@agro-k.com

Suggested Uses

Tomatoes, Peppers, Cucumbers

Apply 1-4 pints per acre per application. Apply the first application 7-10 days pre-bloom. Subsequent applications can be made throughout the season at 14-21 day intervals for fresh pick varieties to maximize fruit set, size and maturation through the final harvest. System-SeaCal can also be rotated on a 10-14 day schedule with Vigor-Cal™.

Melon Crops

Apply 2-4 pints per acre. Apply first application beginning at bloom. Subsequent applications can be made throughout the season at 14-21 day intervals to maximize fruit set, size and firmness. System-SeaCal can also be rotated on a 10-14 day schedule with Vigor-Cal™.

Onions

Apply first application at bulb initiation. Apply at a rate of 2-4 pints. If larger bulbs are desired use 4 pints. Apply second application 10-14 days later.

Almonds, Walnuts and Other Nut Crops

Apply 1 or 2 applications at 1 to 4 qts per acre beginning at pre-bloom or at the start of bloom. System-SeaCal can be mixed with most fungicide or insecticide applications, except copper based fungicides. If applying copper based fungicides, switch to Vigor-Cal for this application.

Plums, Peaches, Cherries and Other Stone Fruits

Apply 2 to 4 quarts per acre per application. Apply first application at pink to first bloom. Apply subsequent applications at 10-14 day intervals up to pit hardening.

Apples, Pears and Other Pome Fruits

Apply 2 to 6 quarts per acre per application. Apply first application at pink to first bloom. Apply subsequent applications at 7-10 day intervals through the end of fruit cell division. Switch to Vigor-Cal after that and continue on a 7-10 day schedule through harvest.

Citrus and Avocados

Apply 1 to 4 quarts per acre per application. Apply first application just prior to bloom. Apply subsequent applications at 30 day intervals up to harvest or as needed to supplement nutritional requirements.

Grapes

Apply 2-4 pints per acre beginning pre-bloom and continuing through pea-sized berries. Make applications on a 10-14 schedule depending on environmental conditions.

Blueberries

Apply 2 to 4 quarts per acre per application. Apply first application at first bloom. Apply 2-3 subsequent applications at 10-14 day intervals.

Raspberries, Blackberries and Other Caneberries

Apply 2-4 quarts per acre per application. Apply first application pre-bloom. Apply subsequent applications at 10-14 day intervals throughout the season.

Beans and Peas

Apply 2-4 pints per acre. Apply 1 or 2 applications beginning at bloom.

Strawberries

Apply 1-4 Quarts per acre. Apply first application beginning at bloom. Subsequent applications can be made throughout the season at 10-14 day intervals to maximize fruit set, size and firmness. System-SeaCal can also be rotated on a 10-14 day schedule with Vigor-Cal™.



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Item# 5163-WA

Sysstem-VT™ 0-0-10

Information regarding the contents and levels of metals in this product is available on the internet at <http://www.aapfco.org/metals.htm>

Science-Driven NutritionSM

Directions for Commercial Use:

Sysstem-VT is designed to supply key nutrients to a variety of row crops as they transition from the vegetative to reproductive phase – such as tasseling in corn – to improve seed fill and maximize yield. Sysstem-VT™ is intended for foliar use. Apply 2 to 8 pints per acre with sufficient water for thorough coverage. Sysstem-VT™ can be applied via ground sprayer, air application or chemigated through pivots (minimizing the amount of water applied).

APPLICATION PRECAUTIONS:

Sysstem-VT™ is compatible with many fertilizers and pesticides but a compatibility check is recommended. Always ensure adequate dilution in the spray tank before adding Sysstem-VT™ to any mixture. Never mix Sysstem-VT™ in a concentrated form with other fertilizers or pesticides.

Do not mix Sysstem-VT™ with pesticides that are sensitive to low pH solutions, including copper based pesticides. Do not apply in combination with citrus oils at more than 1pt/ac or 0.5%, whichever is less. Do not apply in combination with petroleum oils at more than 2qts/ac or 1.0%, whichever is less.

Do not apply Sysstem-VT™ with a hand sprayer. Do not apply to wet leaf or fruit surfaces. Apply to dry plant surfaces to the point of wet. Do not over-apply to the point of run-off.

ALSO CONTAINS NON-PLANT FOOD INGREDIENTS -
23% PHOSPHOROUS ACID

Guaranteed Analysis:

Soluble Potash (K₂O)	10%
Calcium (Ca)	1.0%
Magnesium (Mg)	0.7%
0.7% Water Soluble Magnesium	
Boron (B)	0.15%

Derived from

Potassium Hydroxide, Calcium Carbonate,
Magnesium Carbonate and Boric Acid

Net Wgt 27 lbs / 2.5 gal



Warranty

1.-The manufacturer guarantees and warrants that the content and the total net weight are as stated within lawful limits.

2.-Liability of Agro-K Corporation under this warranty or otherwise shall be limited to refund of the purchase price and such refund is expressly agreed by the buyer to be the exclusive remedy.

Agro-K Corporation makes no other expressed or implied guarantee, warranty or representation, including warranties of merchantability and fitness for a purpose. Agro-K Corporation shall not be liable for direct consequential or incidental damages. No modifications of this warranty and the disclaimers herein are authorized or valid unless expressed in writing and signed by Agro-K Corporation.

SHAKE WELL BEFORE USE

WARNING

KEEP OUT OF REACH OF CHILDREN

US patents pending



System-VT™

Science-Driven NutritionSM

System-VT™ is a foliar fertilizer containing potassium, calcium and magnesium phosphate and boron. System-VT™ is designed for corn and other row crops and is particularly suited for application immediately pre-tassel on corn and pre and early bloom on other crops to meet peak nutrient demand timing and to encourage maximum seed set. Proper nutrient balance is critical to maintaining overall plant health, proper physiologically development and maximizing yield.

System-VT™, due to its unique ability to enhance uptake and mobility within the plant makes it a good tank mix partner with other crop management tools. In addition to applying key nutrients at an important physiological time, the transition from the vegetative to reproductive phase, System-VT™ encourages “root flushing”, which improves nutrient uptake from the soil to help enhance the efficiency of a growers soil fertility program and maximize yield.

<p>Guaranteed Analysis</p> <p>Soluble Potash (K₂O) 10% Calcium (Ca) 1.0% Magnesium (Mg) 0.7% Boron (B) 0.15%</p>
<p>Derived From</p> <p>Potassium Hydroxide, Calcium Carbonate, Magnesium Carbonate and Boric Acid</p>
<p>Availability</p> <p>2.5 gallon</p>
<p>Directions For Use</p> <p>System-VT is designed to supply key to nutrients to a variety of row crops as they transition from the vegetative to reproductive phase – such as tasseling in corn – to improve seed set and maximize yield. System-VT™ is intended for foliar use. Apply 2 to 8 pints per acre with sufficient water for thorough coverage. System-VT™ can be applied via ground sprayer, air application or chemigated through pivots (minimizing the amount of water applied).</p>

FOLIAR NUTRIENTS



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Suggested Uses

Corn

Apply 2 to 6 pints per acre per application. Apply from V-10 to green silk. System-VT can be applied with most common foliar products, nutrients and pesticides, applied during this time.

Soybeans, Dry Beans, String Beans and Peas

Apply 2 to 6 pints per application. First application should be made pre-bloom to 5% bloom. A second application can be made in 14 days if desired.



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Item# 5243-WA

Sysstem™-ZMag

Information regarding the contents
and levels of metals in this product
is available on the internet at
<http://www.aapfco.org/metals.htm>.

Science-Driven NutritionSM

Directions for Commercial Use:

System-ZMag is intended for foliar use. Foliar: Apply 1 to 5 quarts per acre with sufficient water for thorough coverage. Product can be applied at 7 to 14 day intervals for a maximum of 5 times during the growing season. Avoid applications when temperatures are extreme (above 90°F/32°C). Foliar fertilization is intended to supplement standard ground fertility programs and will not by itself provide all nutrients normally required by agricultural crops. If you have any questions regarding mixing or application rates contact Agro-K before using this product.

APPLICATION PRECAUTIONS:

System-ZMag is compatible with many fertilizers and pesticides but a compatibility check is recommended. Always ensure adequate dilution in the spray tank before adding System-ZMag to any mixture. Never mix System-ZMag in a concentrated form with other fertilizers or pesticides.

Do not mix System-ZMag with pesticides that are sensitive to low pH solutions, including copper based pesticides. Do not apply in combination with citrus oils at more than 1pt/ac or 0.5%, whichever is less. Do not apply in combination with petroleum oils at more than 2qts/ac or 1.0%, whichever is less.

Do not apply System-ZMag with a hand sprayer. Do not apply to wet leaf or fruit surfaces. Apply to dry plant surfaces to the point of wet. Do not over-apply to the point of run-off.

ALSO CONTAINS NON-PLANT FOOD INGREDIENTS –
35% PHOSPHOROUS ACID

Guaranteed Analysis:
Magnesium (Mg) 1.75%
Zinc (Zn) 5.0%

Derived from
Magnesium Carbonate and Zinc Carbonate

Net Wgt. 28.75 lbs. /2.5 gal



Warranty

1.-The manufacturer guarantees and warrants that the content and the total net weight are as stated within lawful limits.

2.-Liability of Agro-K Corporation under this warranty or otherwise shall be limited to refund of the purchase price and such refund is expressly agreed by the buyer to be the exclusive remedy.

Agro-K Corporation makes no other expressed or implied guarantee, warranty or representation, including warranties of merchantability and fitness for a purpose. Agro-K Corporation shall not be liable for direct consequential or incidental damages. No modifications of this warranty and the disclaimers herein are authorized or valid unless expressed in writing and signed by Agro-K Corporation.

SHAKE WELL BEFORE USE

WARNING
KEEP OUT OF REACH OF CHILDREN

US patents pending



System™ -ZMag

Science-Driven NutritionSM

System®-ZMag is a foliar zinc and magnesium fertilizer that can be used at all plant growth stages to correct zinc and/or magnesium deficiencies. System®-ZMag is particularly effective at bud-break, pre-bloom, and post-harvest when plant demand for zinc and magnesium peaks. The elemental zinc and magnesium in System®-ZMag are linked to a phosphite ion that enhances the nutrient uptake and mobility within the plant. System®-ZMag's special form makes it significantly more effective than standard zinc/magnesium foliar products that have limited uptake and plant availability.

Zinc plays many important functions within the plant. It regulates various hormone functions that are necessary to ensure proper bud break, root and vascular development and optimal leaf size. As the central element in chlorophyll, magnesium is critical in effective chlorophyll development and thus photosynthesis. Peak demand timing for magnesium is early season as leaf and chlorophyll development occurs. Because zinc is critical in leaf development and size, magnesium and zinc are synergistic nutrients needed simultaneously. Field results show applying System®-ZMag early season can dramatically increase leaf size, maximizing total photosynthesis surface area—a key factor in a plant's ability to support and size a heavy crop load.

System®-ZMag is part of Agro-K's System® foliar line. System® products are designed to work together to maximize crop quality. They are compatible with each other and most pesticides, making them easy to integrate into spray programs.

Guaranteed Analysis	Zinc (Zn) - 5.0% Magnesium (Mg) 1.75%
Derived From	Magnesium Carbonate and Zinc Carbonate
Availability	2.5 gallon
Directions For Use	System-ZMag is intended for foliar use. Foliar: Apply 1 to 5 quarts per acre with sufficient water for thorough coverage. Product can be applied at 7 to 14 day intervals for a maximum of 5 times during the growing season. Avoid applications when temperatures are extreme (above 90°F). Foliar fertilization is intended to supplement standard ground fertility programs and will not by itself provide all nutrients normally required by agricultural crops. If you have any questions regarding mixing or application rates contact Agro-K before using this product.

FOLIAR NUTRIENTS



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Suggested Uses

Tomatoes, Peppers, Cucumbers

Apply 1 to 4 quarts per acre per application. Apply the first application 7 days after transplanting, thinning or at second true leaf stage. Apply subsequent applications at 14 day intervals or as needed to correct deficiencies or supplement nutritional requirements.

Strawberries

Apply 1 to 4 quarts per acre per application. Apply the first application 7-10 days after transplanting. Reapply at 7-14 day intervals through first bloom. Zinc and magnesium can be applied together with during spring and post-harvest applications. Peak plant demand timing for magnesium is similar to that of zinc and applying both nutrients simultaneously can be beneficial.

Almonds, Walnuts and Other Nut Crops

Apply 1 to 4 quarts per acre per application. Apply first application at pink bud break. Apply a subsequent applications during rapid leaf growth and at hull split. Reapply System®-ZMag within 2-3 weeks post harvest to prepare tree and buds for next season. Zinc and magnesium can be applied together with during spring and post-harvest applications. Peak plant demand timing for magnesium is similar to that of zinc and applying both nutrients simultaneously can be beneficial.

Plums, Peaches, Cherries and Other Stone Fruits

Apply 1 to 4 quarts per acre per application. Apply first application post-bloom just as leaves are developing rapidly. Apply 1 or 2 subsequent applications at 7-10 day intervals. Reapply System®-ZMag within 2-3 weeks post harvest to prepare tree and buds for next season. Zinc and magnesium can be applied together with during spring and post-harvest applications. Peak plant demand timing for magnesium is similar to that of zinc and applying both nutrients simultaneously can be beneficial.

Apples, Pears and Other Pome Fruits

Apply 1 to 4 quarts per acre per application. Apply first application as first leaves are developing rapidly. Apply 1 to 2 subsequent applications pre-bloom. Reapply System®-ZMag within 2-3 weeks post harvest to prepare tree and buds for next season. Zinc and magnesium can be applied together with during spring and post-harvest applications. Peak plant demand timing for magnesium is similar to that of zinc and applying both nutrients simultaneously can be beneficial.

Citrus and Avocados

Apply 1 to 4 quarts per acre per application. Apply first application pre-bloom. Apply subsequent applications post-harvest.

Grapes

Apply 1 to 4 quarts per acre per application. Apply first application between bud-break and 6" of shoot growth. Apply 1-2 subsequent applications between early shoot development and bloom. Reapply System®-ZMag within 2-3 weeks post harvest to prepare tree and buds for next season. Zinc and magnesium can be applied together with during spring and post-harvest applications. Peak plant demand timing for magnesium is similar to that of zinc and applying both nutrients simultaneously can be beneficial.

Blueberries

Apply 1 to 4 quarts per acre per application. Apply first application post-bloom just as leaves are developing rapidly. Apply 1 or 2 subsequent applications at 7-10 day intervals. Reapply System®-ZMag within 2-3 weeks post harvest to prepare tree and buds for next season. Peak plant demand timing for magnesium is similar to that of zinc and applying both nutrients simultaneously can be beneficial.

Raspberries, Blackberries and Other Caneberries

Apply 1 to 4 quarts per acre per application. Apply first application as initial leaves are rapidly developing and may reapply post bloom. Reapply System®-ZMag within 2-3 weeks post harvest to prepare canes and buds for next season. Zinc and magnesium can be applied together with during spring and post-harvest applications. Peak plant demand timing for magnesium is similar to that of zinc and applying both nutrients simultaneously can be beneficial.



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Item# 5463-WA

Sysstem™ -ZN

Information regarding the contents and levels of metals in this product is available on the internet at <http://www.aapfco.org/metals.htm>.

Science-Driven NutritionSM

Directions for Commercial Use:

Sysstem-ZN can be used both foliar and soil applied. Foliar: Apply 1 to 4 quarts per acre with sufficient water for thorough coverage. Product can be applied at 7 to 14 day intervals for a maximum of 5 times during the growing season. Avoid applications when temperatures are extreme (above 90°F). Foliar fertilization is intended to supplement standard ground fertility programs and will not by itself provide all nutrients normally required by agricultural crops. If you have any questions regarding mixing or application rates contact your Agro-K dealer before using this product. Soil: Apply 1 to 4 quarts per acre. Can be band sprayed or metered into irrigation system. Can also apply as a soil drench for trees.

APPLICATION PRECAUTIONS:

Sysstem-ZN is compatible with many fertilizers and pesticides but a compatibility check is recommended. Always ensure adequate dilution in the spray tank before adding Sysstem-ZN to any mixture. Never mix Sysstem-ZN in a concentrated form with other fertilizers or pesticides.

Do not mix Sysstem-ZN with pesticides that are sensitive to low pH solutions, including copper based pesticides. Do not apply in combination with citrus oils at more than 1pt/ac or 0.5%, whichever is less. Do not apply in combination with petroleum oils at more than 2qts/ac or 1.0%, whichever is less.

Do not apply Sysstem-ZN with a hand sprayer. Do not apply to wet leaf or fruit surfaces. Apply to dry plant surfaces to the point of wet. Do not over-apply to the point of run-off.

ALSO CONTAINS NON-PLANT FOOD INGREDIENTS -
35% PHOSPHOROUS ACID

Guaranteed Analysis:

Zinc (Zn) 8.0%

Derived from
Zinc Carbonate

Net Wgt 28.25 lbs / 2.5 gal



Warranty

1.-The manufacturer guarantees and warrants that the content and the total net weight are as stated within lawful limits.

2.-Liability of Agro-K Corporation under this warranty or otherwise shall be limited to refund of the purchase price and such refund is expressly agreed by the buyer to be the exclusive remedy.

Agro-K Corporation makes no other expressed or implied guarantee, warranty or representation, including warranties of merchantability and fitness for a purpose. Agro-K Corporation shall not be liable for direct consequential or incidental damages. No modifications of this warranty and the disclaimers herein are authorized or valid unless expressed in writing and signed by Agro-K Corporation.

SHAKE WELL BEFORE USE

**WARNING
KEEP OUT OF REACH OF CHILDREN**

US patents pending



System™ -ZN

Science-Driven NutritionSM

System™-ZN is a foliar zinc fertilizer that can be used at all plant growth stages to correct zinc deficiencies. System™-ZN is particularly effective at bud-break, pre-bloom, and post-harvest when plant demand for zinc peaks. The elemental zinc in System™-ZN is linked to a unique translocating mobility-ion that enhances the nutrient uptake and mobility within the plant. System™-ZN's special form makes it significantly more effective than standard zinc foliar products that have limited uptake and plant availability.

Zinc plays many important functions within the plant. It regulates various hormone functions that are necessary to ensure proper bud break, root and vascular development and optimal leaf size. Field results show applying System™-ZN early season can dramatically increase leaf size, maximizing total photosynthesis surface area – a key factor in a plant's ability to support and size a heavy crop load. Because calcium transportation occurs through the vascular system, zinc plays a critical role in maximizing calcium levels, which are critical in building cell wall thickness, an essential factor in improved disease tolerance, fruit firmness and overall crop quality. System™-ZN is part of Agro-K's revolutionary System™ foliar line. System products are designed to work together to maximize crop quality. They are compatible with each other and most pesticides, making them easy to integrate into spray programs.

Guaranteed Analysis	Zinc (Zn) - 8%
Derived From	Zinc derived from Zinc Carbonate
Availability	2.5 and 250 gallon
Directions For Use	System-ZN is intended for foliar use only. Foliar: Apply 1 to 5 quarts per acre with sufficient water for thorough coverage. Spray in early morning or late afternoon. Do not apply during the "sunlight" hours when air temperature is above 85° F/30° C. Foliar fertilization is intended to supplement standard ground fertility programs and will not by itself provide all nutrients normally required by agricultural crops. If you have any questions regarding mixing or application rates contact Agro-K before using this product. System-ZN is compatible with many fertilizers and pesticides, but compatibility checks are recommended before mix. If mixing System-ZN with other products, dilute System-ZN in a full spray tank first before adding other products. System-ZN should not be mixed with pesticides or other products that are sensitive to low pH solutions.

FOLIAR NUTRIENTS



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Suggested Uses

Tomatoes, Peppers, Cucumbers

Apply 1 to 4 quarts per acre per application. Apply the first application 7 days after transplanting, thinning or at second true leaf stage. Apply subsequent applications at 10-14 day intervals as needed to correct deficiencies or supplement nutritional requirements.

Lettuce, Spinach and Other Leafy Vegetables as well as Broccoli, Cauliflower and Other Brassica Varieties

Apply 1 to 2 quarts per acre per application. Apply the first application 7 days after transplanting, thinning, or at second true leaf stage. Apply one or two subsequent applications at 10 to 14 day intervals or as needed to supplement nutritional requirements.

Corn, Beans and Peas

Apply 1 to 4 quarts per acre per application. A first application can be ground applied with starter fertilizers if carefully mixed in a dilute solution (contact Agro-K for more information). Otherwise, apply the first application at the second or third leaf. Apply one to two subsequent applications at 10 to 14 day intervals or as needed to supplement nutritional requirements.

Strawberries

Apply 1 to 4 quarts per acre per application. Apply the first application 7-10 days after transplanting. Reapply at 7-14 day intervals through first bloom. System™-ZN is compatible with System™-MG and can be applied together. Peak plant demand timing for magnesium is similar to that of zinc and applying both nutrients simultaneously can be beneficial.

Potatoes, Onions and Other Vegetable Root, Bulb or Tuber Crops

Apply 1 to 5 quarts per acre per application. Apply the first application 2-3 weeks post emergence. Apply a subsequent application at hooking, plus two more applications at 14 day intervals.

Nut Crops

Apply 1 to 4 quarts per acre per application. Apply first application at bud break. Apply a subsequent application pre-bloom. Reapply System™-ZN within 2-3 weeks post harvest to prepare tree and buds for next season. System™-ZN is compatible with System™-MG and can be applied together with magnesium both during spring and post-harvest applications. Peak plant demand timing for magnesium is similar to that of zinc and applying both nutrients simultaneously can be beneficial.

Blueberries

Apply 1 to 4 quarts per acre per application. Apply first application post-bloom just as leaves are developing rapidly. Apply 1 or 2 subsequent applications at 7-10 day intervals. Reapply System™-ZN within 2-3 weeks post harvest to prepare tree and buds for next season. System™-ZN is compatible with System™-MG and can be applied together with magnesium both during spring and post-harvest applications. Peak plant demand timing for magnesium is similar to that of zinc and applying both nutrients simultaneously can be beneficial.

Plums, Peaches, Cherries and Other Stone Fruits

Apply 1 to 4 quarts per acre per application. Apply first application post-bloom just as leaves are developing rapidly. Apply 1 or 2 subsequent applications at 7-10 day intervals. Reapply System™-ZN within 2-3 weeks post harvest to prepare tree and buds for next season. System™-ZN is compatible with System™-MG and can be applied together with magnesium both during spring and post-harvest applications. Peak plant demand timing for magnesium is similar to that of zinc and applying both nutrients simultaneously can be beneficial.

Apples, Pears and Other Pome Fruits

Apply 1 to 4 quarts per acre per application. Apply first application at green tip or bud break. Apply 1 to 2 subsequent applications pre-bloom. Reapply System™-ZN within 2-3 weeks

post harvest to prepare tree and buds for next season. System™-ZN is compatible with System™-MG and can be applied together with magnesium both during spring and post-harvest applications. Peak plant demand timing for magnesium is similar to that of zinc and applying both nutrients simultaneously can be beneficial.

Citrus and Avocados

Apply 1 to 4 quarts per acre per application. Apply first application pre-bloom. Apply subsequent applications post-harvest.

Grapes

Apply 1 to 4 quarts per acre per application. Apply first application between budbreak and 6" of shoot growth. Apply 1-2 subsequent applications between early shoot development and bloom. Reapply System™-ZN within 2-3 weeks post harvest to prepare tree and buds for next season. System™-ZN is compatible with System™-MG and can be applied together with magnesium both during spring and post-harvest applications. Peak plant demand timing for magnesium is similar to that of zinc and applying both nutrients simultaneously can be beneficial.

Raspberries, Blackberries and Other Caneberries

Apply 1 to 4 quarts per acre per application. Apply first application after bud break and reapply pre-bloom. Reapply System™-ZN within 2-3 weeks post harvest to prepare tree and buds for next season. System™-ZN is compatible with System™-MG and can be applied together with magnesium both during spring and post-harvest applications. Peak plant demand timing for magnesium is similar to that of zinc and applying both nutrients simultaneously can be beneficial.

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