

UNIQUELY FORMULATED AND CHEMICALLY REACTED TO MAXIMIZE SOYBEAN YIELD



Increases
nutrient uptake



Offers application
flexibility



Encourages rapid
and safe absorption



Contains Actagro
Organic Acids®

Monarch® 2-20-15 is an effective primary plant nutrient that is high in potassium and phosphate, and designed for safe foliar or soil applications. The proprietary formulation of Monarch allows it to quickly penetrate the waxy surface of the leaf, increasing the absorption rate of the plant with less risk of damage or phytotoxicity. This unique and effective foliar nutrient formulation helps farmers achieve optimal crop nutrient levels, resulting in better quality, higher yields, and outstanding ROI.

PLANTS NEED NUTRIENTS AS MUCH AS THEY NEED WATER



When fields are depleted of essential minerals like potassium and phosphate, plants may not reach their full growth and yield potential.

Monarch® is the efficient way to meet the demands of P and K in soybeans. Soybeans utilize 90+% of their phosphate and 87+% of their potash from R1 to R6. Foliar applications at V3 – V5 followed by a 2nd application at R1 – R5 will help you maximize your yield and your ROI.

KEY BENEFITS

Contains 20% Phosphate

- Important for root and pod development
- Promotes root growth
- Stimulates seed development¹
- Provides energy for pod retention

Contains 15% Potash

- Important for stem strength and protein accumulation
- Improves water and nitrogen use efficiency
- Aides in the reduction of lodging
- Improves the plant's resistance to disease and sucking insects²

¹Ross R. Bender, Jason W. Haegele, and Frederick E. Below. 2015. *Agronomy J.* 107:563-573.
²Clarke McGrath, David Wright, Antonio P. Mallarino, Andrew W. Lenssen. Soybean nutrient needs. 2013. Agriculture and Environment Extension Publications. 189. http://lib.dr.iastate.edu/extension_ag_pubs/189

The Actagro Organic Acids® in Monarch® provide the nutrition needed to grow healthy plants with higher yield potential. Field trials have shown that when properly applied in a complete and balanced nutrition program, AOAs can:

- Increase nutrient exchange capacity and uptake
- Improve soil structures
- Improve soil water retention
- Stimulate root growth and beneficial microbes
- Increase the buffering capacity of the soil solution
- Stimulate shoot growths
- Protect sensitive root hairs from damage
- Deliver complex and mineralized nutrients

MAXIMIZE YIELD AND INCREASE ROI



Monarch
624

R3

Untreated
569

OUR RECOMMENDATION

COMBINE **MONARCH** (3 QRTS/A) WITH **MICRO COMPLETE** (1 QRT/A)

Micro Complete™

Micro Complete™ (4-0-0) is a blend of 2% Sulfur, .25% Boron, .5% Copper, .5% Iron, 1.5% Manganese, 1.5% Zinc and contains Molybdenum (Mo). It has been specially developed for foliar and soil application to prevent and correct deficiencies of these nutrients which are key in various aspects of crop development and performance. Micro Complete™ is ideal for addressing various nutrients needs on crops throughout application windows and rates.

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*Actagro is a leading provider of innovative soil
and plant health technology solutions.*



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