



FIELD TRIAL RESULTS AND RECOMMENDATIONS

SUMMER 2018 POTATO TRIAL WITH HANSON & ASSOCIATES

TRIAL DESIGN

- ◆ Trial conducted at with Hanson & Associates in Columbus, Wisconsin, to determine the efficacy of IN-M1* on potatoes. The trial was a complete randomized block with six replications.
- ◆ The trial was done on both Dark Red Norland and Viking potatoes, planted May 28, 2018. Both varieties started from Certified Seed B size uncut.
- ◆ In addition to a grower standard control, there were six different treatments with IN-M1:
 - 1) 0.5 gallons/acre as an in-furrow application at planting
 - 2) 1 gallon/acre as an in-furrow application at planting
 - 3) 1.5 gallons/acre as an in-furrow application at planting
 - 4) 0.5 gallons/acre as an in-furrow application at planting followed by 0.5 gallons/acre as a foliar application at V2
 - 5) 1 gallon/acre as an in-furrow application at planting followed by 1 gallon/acre as a foliar application at V2
 - 6) 1.5 gallons/acre as an in-furrow application at planting followed by 1.5 gallons/acre as a foliar application at V2
- ◆ Potatoes were harvested on September 30, 2018. Blemish ratings were made on 50 tubers from each plot and given a score of 0-6 for quality.

RECOMMENDATIONS

Apply following protocol established in research trial:

RATE	TIMING
1 gallon/acre	Apply 1 gallon/acre in-furrow followed by 1 gallon/acre foliar @ V2

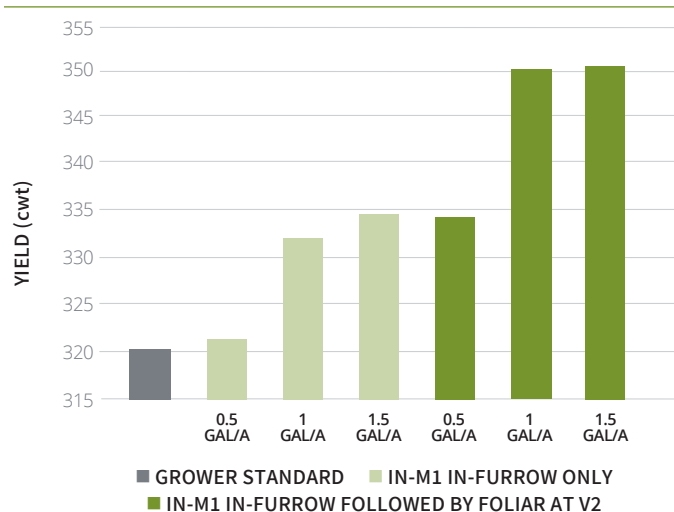
*IN-M1 is currently labeled as GARDEN SOLUTION® in the U.S. and SYNERGRO® in Canada.





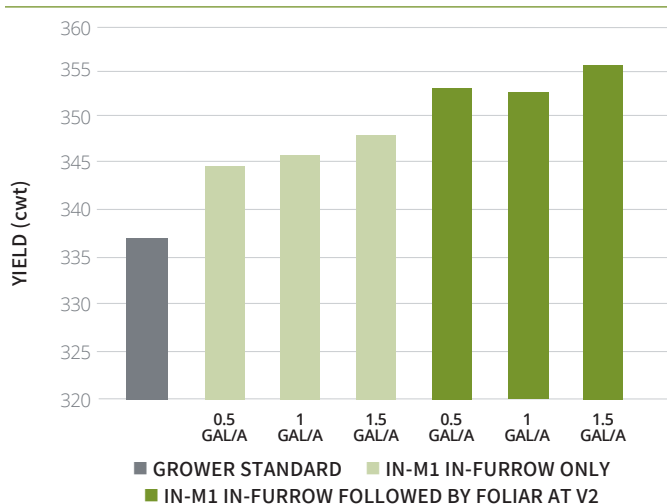
RESULTS

TOTAL YIELD (VIKING)



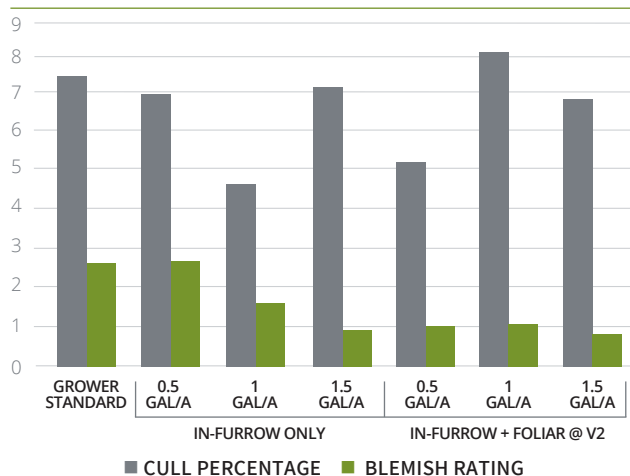
◆ At the recommended treatment of 1 gallon/acre in-furrow followed by 1 gallon/acre foliar @ V2, the treated potatoes yielded 9.4% more than the control.

TOTAL YIELD (DARK RED NORLAND)



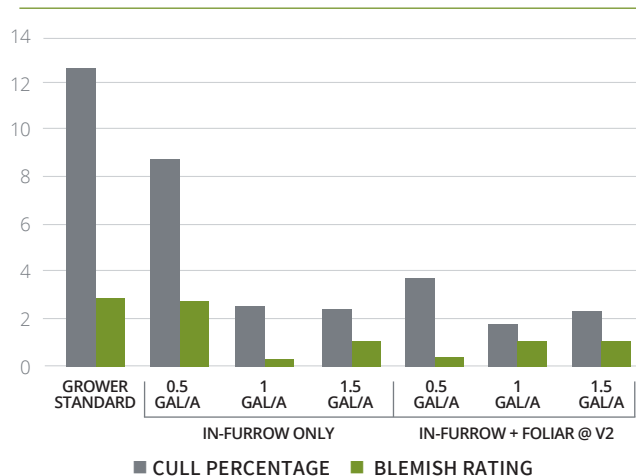
◆ At the recommended treatment of 1 gallon/acre in-furrow followed by 1 gallon/acre foliar @ V2, the treated potatoes yielded 4.6% more than the control.

CULL AND BLEMISH REDUCTION (VIKING)



◆ In addition to yield increases, both varieties saw improved plant health with the use of IN-M1. This improvement was shown in the reduction of blemishes, such as size defects, shape defects, and incidence of scab.

CULL AND BLEMISH REDUCTION (DARK RED NORLAND)



IN-M1 (currently labeled as GARDEN SOLUTION® in the U.S. and SYNERGRO® in Canada) is a microbial technology for growers that sustainably improves plant health, boosts root and plant vigor, and increases yield, consistency and quality. It is designed to be active across a diverse range of high-value produce, geographies and for all types of modern growing systems from field to greenhouse to hydroponics, for both organic and conventional growers. More robust plants can better deal with the challenges of production agriculture, including transplantation of seedlings, poor soil, extreme weather and other biotic and abiotic stresses.

WWW.CONCENTRICAG.COM



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