

InGrain™

PLANT GROWTH REGULATOR

ADVANCED MANAGEMENT FOR MAXIMIZING YIELD AND MILLING QUALITY

InGrain® is a state-of-the-art plant growth regulator for rice. This PGR is comprised of a naturally occurring compound that controls many processes throughout the life of the plant. Application of InGrain during early grain filling results in increased flow of carbohydrates to the inferior spikelets resulting in faster grain filling rates and increased grain number and size at harvest. The end results are higher yields and improved milling quality.

BENEFITS OF INGRAIN

- Provides excellent return on investment (ROI)
- Higher paddy rice yields
- Increased thousand grain weight (TGW)
- Fewer empty grains
- Increased recovery of milled grain
- Increased recovery of whole grains after milling
- No effect on grain chalkiness



Grain Yield Increase

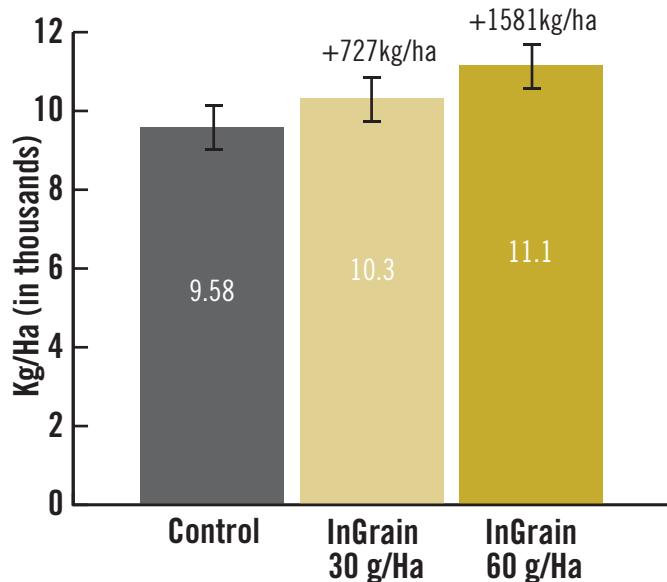
InGrain increased grain yield by an average of 7.6% with the application rate of 30 g/ha and 16.5% with the application rate of 60 g/ha.

Years tested: 2017-2019

Number of Studies: 23

Varieties used: Esperanza, Tinajones, IR-43, Mallares, Galan

Regions tested: Amazonas, Arequipa, Cajamarca, Lambayeque, San Martín



No Negative Effect on Milled Rice Yield

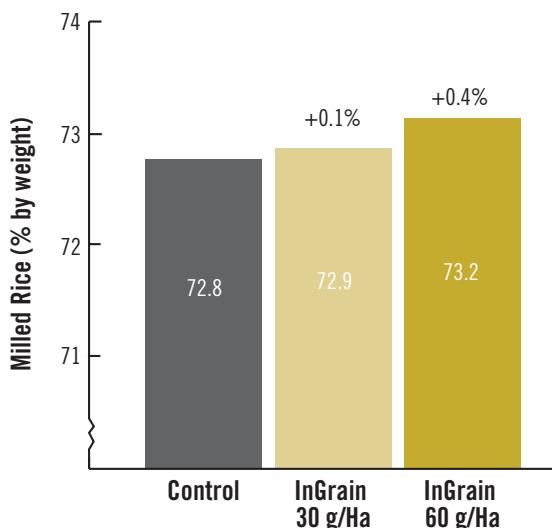
InGrain increased yield in milled rice by an average of 0.1% with the application rate of 30 g/ha and 0.4% with the application rate of 60 g/ha.

Years tested: 2017-2019

Number of Studies: 23

Varieties used: Esperanza, Tinajones, IR-43, Mallares, Galan

Regions tested: Amazonas, Arequipa, Cajamarca, Lambayeque, San Martín



More Intact Grains After Milling

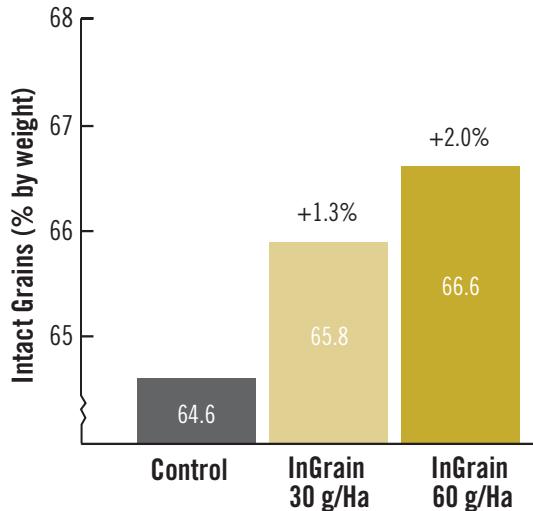
InGrain increased intact grains after milling by an average of 1.3% with the application rate of 30 g/ha and by 2.0% with the application rate of 60 g/ha.

Years tested: 2017-2019

Number of Studies: 23

Varieties used: Esperanza, Tinajones, IR-43, Mallares, Galan

Regions tested: Amazonas, Arequipa, Cajamarca, Lambayeque, San Martín



When to Apply InGrain

InGrain should be applied during early grain filling. This typically coincides with the period from 7-12 days after the first spikelets (flowers) open as indicated in the boxed image to the right. The optimum time of application is when 20 to 30 percent of spikelets on the earliest panicles are at the milky grain stage.



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