

Increased Watermelon Nutrient Efficiency with Less Nitrogen Leaching

POLYON® controlled-release fertilizer can provide greater total marketable yields with more desirable produce early in the season.

POLYON® treatments resulted in 5% and 4% greater total watermelon yield compared to the conventional in a University of Florida research study.

Increased operation productivity

- Fewer applications
- Increased nutrient efficiency
- Opportunity to use resources in alternative way to make business more profitable Reduced environmental impact
- Mitigate N leaching

University of Florida Research Studies (2019-2021)

POLYON® preplant application to a conventional grower standard multiple-application program studies

- POLYON® can provide greater early yields
 - POLYON® application had significantly higher (60%) first harvest fruit number than conventional program in 2019
 - POLYON® treatment had 20% greater marketable fruit weight at first harvest than conventional program in 2020
 - The market for produce may be more desirable early in season
 - May limit growing season risks from production pressures
- POLYON® can provide greater total marketable yields.
 - POLYON® treatment had 22% greater total marketable fruit weight than conventional program in 2020
 - A single POLYON® blend application produces similar or greater yield as a grower standard program of nine applications

Grower trials in 2020 and 2021

- A single POLYON® blend application produces similar or greater early and total marketable yield as a grower standard program of many applications.

POLYON® fertilizer nitrogen source replaced conventional nitrogen preplant application

- POLYON® treatments resulted in 5% and 4% greater total watermelon yield compared to the conventional in the two years of the study
- POLYON® application can improve current grower practices by reducing nutrient leaching compared to vulnerable conventional sources

POLYON®
Controlled-Release Fertilizer

