

CROP
NUTRIENT

KICKSTARTER

IMPROVE PHOSPHOROUS-USE EFFICIENCY FOR ESTABLISHING STANDS
— A COMPLETE LIQUID STARTER FERTILIZER FORMULATED W/ M-STRUCT —

KickStarter is a 14-14-0-3 all-in-one, ready-to-use liquid starter fertilizer.

KickStarter is formulated with M-Struct, a McGregor exclusive blend of amino, humic, and fulvic acids to keep nutrients plant-available.

KickStarter provides a balanced blend of highly available nitrogen, phosphorus, sulfur and zinc to meet early season demands for optimal root and stand development.

KickStarter has been developed specifically to meet the nutritional demands of cereal grains in the Pacific Northwest region.



KickStarter
by the numbers:
Over last **2** years...
in **11** locations...
...across **16** trials

average *yield increase* of
5.8 bu/ac

Data collected 2016-2017 comparing treatments with varying KickStarter and phosphorous rates while all other nutrients held to the same rates; applied in-furrow and deep banded.

TMC Product Information



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Mar-2018

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Q: Is KickStarter a complicated mix that will impede my seeding process?

A: KickStarter is an all-in-one liquid starter fertilizer that is ready to use with any standard seeding equipment with a liquid kit.

Q: Why does soil pH matter to phosphorous?

A: In soil pH levels under 6.0, phosphorous gets tied up by aluminum and iron. In soil pH levels above 8.0, phosphorous ties up with calcium. KickStarter provides phosphorous a place to bind that remains plant available.

Q: How does phosphorous impact my wheat crop?

A: Phosphorus is required for root and stem growth. Delivering phosphorous close to the seed gets the crop off to a quick and robust start. Healthy roots build healthy stems that produce more tillers. More tillers means more heads!

Q: Does KickStarter need added zinc?

A: No! KickStarter has an ideal P:Zn ratio for maximum efficiency.

Q: Should I add additional water to KickStarter?

A: Yes! Add at least 1 gal per acre for optimal consistency in application.

DIRECTIONS FOR USE:

KickStarter can be applied in-furrow (directly on or close to seed) as a 'pop up' or starter fertilizer.

KickStarter is seed safe for cereal grains. For more salt sensitive seeds like large seeded vegetables and pulse crops, use **KickStarter PULSE**.

KickStarter needs to have at least 1 gal/ac of water added for optimal consistency in application.

14-14-0

Guaranteed Analysis

Total Nitrogen (N).....	14.00%
9.00% Ammoniacal Nitrogen	
2.00% Nitrate Nitrogen	
3.00% Urea Nitrogen	
Available Phosphorous (P ₂ O ₅)...	14.00%
Sulfur (S)	3.00%
Zinc (Zn).....	0.18%
0.18% Chelated Zinc	

Derived from: Ammonium Nitrate, Urea, Ammonium Phosphate, Ammonium Sulfate, Zinc EDTA

Density: (68°F) 11.05 lbs/gal

USE RATES AND GUIDELINES:

Minimum Use Rate: 5 gal/acre

Maximum Use Rate: 10 gal/acre

Recommended Use Rate: 5 to 8 gal/acre

Nutrient	Min. Rate	Max. Rate
	Lbs per 5 gal/ac	Lbs per 10 gal/ac
Total N	8.0	16.0
Phosphate	8.0	16.0
Sulfur	2.0	3.9
Zinc	0.10	0.20

