

Kickstart®

Biostimulants & Quality Improvement

Use

To improve establishment and increase rooting.

Crops

Most crops including cereals, oilseed rape and sugar beet.

Pack Size

10, 1000 litres

Function of Kickstart®

Kickstart can significantly improve root growth and crop establishment in cereals, oilseed rape and sugar beet, especially when seedbed and weather conditions are not ideal.

Phosphites as Biostimulants

Used at low rates on young plants, phosphites act as biostimulants, promoting early root growth and plant establishment. The latest research findings on the best use of phosphites come from a continuing programme to build up credible efficacy data for the biostimulant product range ahead of the proposed revision of the EU fertiliser regulations (EC) 2003/2003, in which it is proposed to include a new regulatory framework for early season biostimulants. Until now, there has been very little independent research and verification of this aspect of their use. In 2012, OMEX commissioned the start of a series of controlled and fully replicated experiments aimed at establishing if this effect could be quantified, and the results have shown there were significant differences between phosphite formulations and application rates.



Analysis	w/w	w/v
Nitrogen (N)	3.0%	4.0%
Phosphate (P ₂ O ₅)	28.0%	38%
Water Soluble Phosphate (P ₂ O ₅)	0.0%	0.0%
Phosphite (as P ₂ O ₅)	28.0%	38%
Potassium (K ₂ O)	13.0%	17.5%

◆ Directions for Use

Use Kickstart where an increase in rooting is required, such as on late drilled crops, when seedbed and weather conditions are not ideal for growth, or as part of a crop management programme to significantly improve rooting and establishment. Foliar uptake will be enhanced by the addition of NA13¹ unless in tank mix with a pesticide.

Apply 0.5-1 litre/ha, in a minimum of 200 l/ha water.

The spray tank should be filled with half the required water. If applicable, add the required amount of NA13 to the water before the Kickstart. After shaking the container, measure the required amount of Kickstart and add to the tank whilst maintaining constant agitation. Add remaining water to correct dilution and spray.

Crop	Timing	Rate l/ha	Comments
Cereals	From 3 - 4 leaf stage	1	Use to improve establishment on backward crops or in poor growing conditions
Oilseed Rape	From 2-4 true leaves	1	Promotes root growth and top growth prior to winter dormancy
Sugar Beet	From 2-4 true leaves	0.5-1	Use the higher rate when soil is cold or weather conditions are not ideal for growth
Other Crops	From 3-4 leaves	1	Use to improve establishment on backward crops or in poor growing conditions

◆ Notes

As with any other phosphite product, Kickstart aids the uptake of tank mix partners so OMEX do not recommend tank mixes with selective herbicides in cereals, as selectivity may be reduced.

For further information on compatibility, tank mixing and for physical compatibility with pesticides refer to the website www.omex.co.uk

¹ NA13 is an adjuvant designed to help with improved adhesion, deposition and penetration of the spray solution on the leaf surface. NA13 should be added at 0.1% of the spray volume, e.g. 100 ml in 100 litres of water. Maintain agitation and apply immediately after mixing. See website www.omex.co.uk for details.