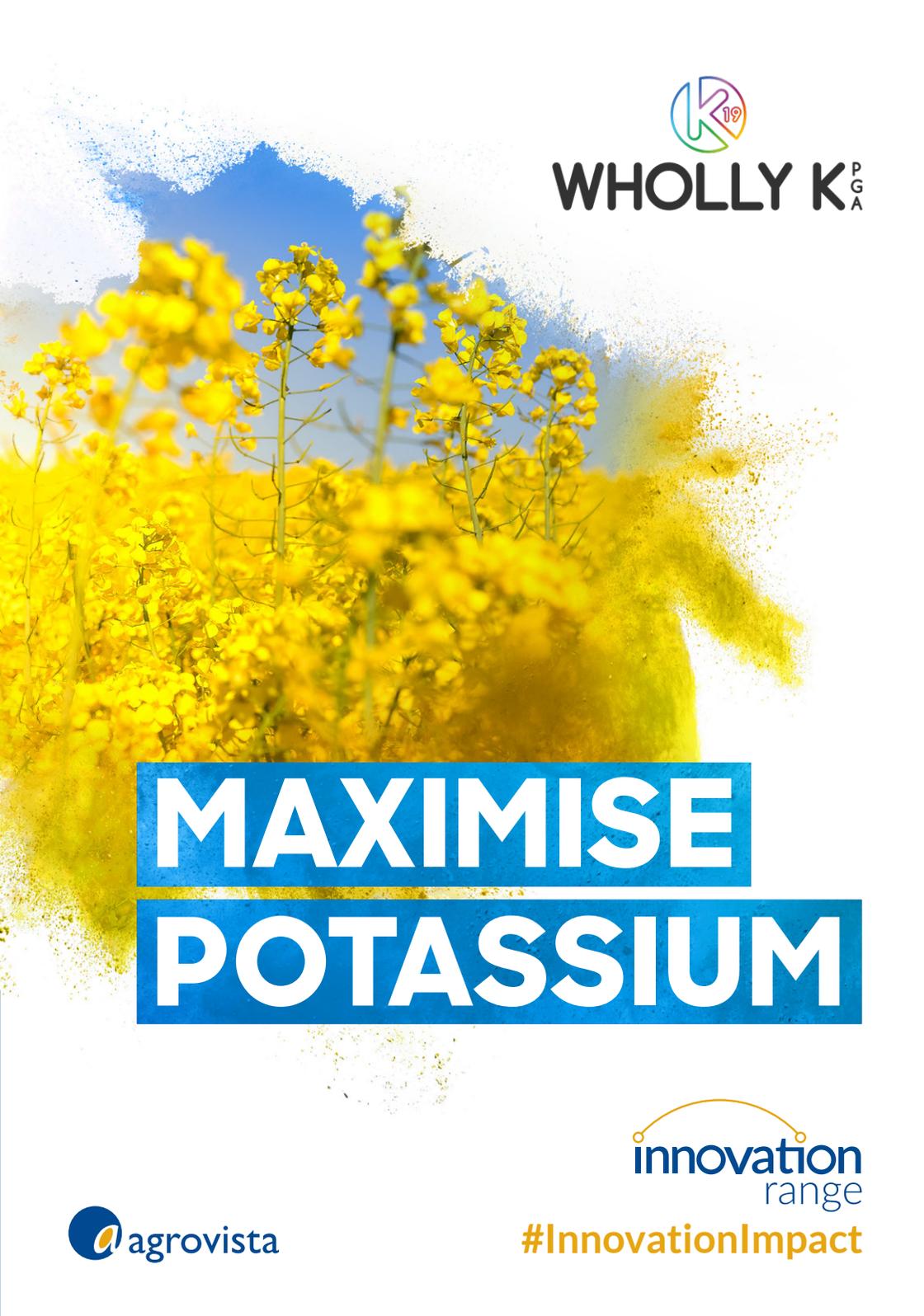




WHOLLY K ^P_G^A



**MAXIMISE
POTASSIUM**



#InnovationImpact



Wholly K PGA is a unique potassium metabolite complex designed to deliver potassium via foliar application when conditions may limit soil uptake.

This highly available 20% form of potassium contains no antagonistic anions (eg chloride) and is complexed with L-PGA (pidolic acid) to enhance nitrogen assimilation.

Potassium is an essential plant nutrient required in large amounts – often more than nitrogen. Its enzyme activation affects protein, starch and ATP production, so is vital for photosynthesis, protein synthesis and many other functions in growth and reproduction.

Potassium is also very important in opening and closing of stomata, helping to regulate water vapour, oxygen and carbon dioxide exchange.

£72.20 /ha

return on investment

93%

chance of a return on investment

7%

*average yield increase
(15 trials)*

What does it do?

Wholly K PGA is an efficient potassium foliar fertiliser that maximises delivery of the nutrient to the crop. It is an ideal supplement to potassium programmes in season or during periods when availability, and therefore crop potential, is restricted.

The complex with L-PGA is very synergistic, as both are critical for N assimilation and nitrogen use efficiency.



Application

CROP	TIMING	DOSE *
Cereals	Key growth stages	1.0 l/ha
OSR	Key growth stages	1.0 l/ha
Potatoes	Key growth stages	1.0-2.0 l/ha
Sugar Beet	Key growth stages	1.0-2.0 l/ha
Pulses	Key growth stages	1.0 l/ha
Maize	Key growth stages	1.0 l/ha
Fruit	Key growth stages	1.0 l/ha
Vegetables	Key growth stages	1.0 l/ha

**For most applications*

How does it do it?

The pure formulation enhances the delivery of potassium to the plant at key times within the crop's growth cycle, with L-PGA increasing the assimilation of nitrogen and carbon within the plant.

Features



- Efficient delivery of potassium in season or when soil condition limits availability
- Increases potassium use efficiency
- Increases nitrogen assimilation
- Increases photosynthesis = increased CO₂ fixation

Benefits



- Improves stem strength which can reduce lodging risk
- Maximises potassium delivery to the plant at key growth stages
- Delivers potassium efficiently at key timings
- Optimises cost of potassium fertiliser programme
- Increases leaf protein
- Increases water use efficiency
- Enhances yield / quality
- Improves crop profitability

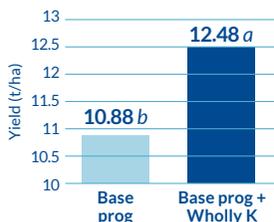


Results

Winter Wheat

Draughton, 2024 KWS Extase

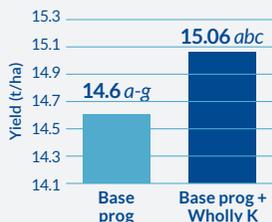
Wholly K PGA applied at GS 37



Wholly K^{PGA} 1l/ha resulted in a statistically significant yield increase of + 1.6 t/ha

Balne, 2023 KWS Extase

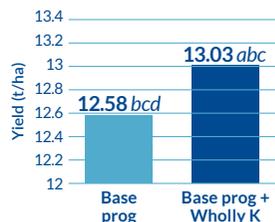
2 x Wholly K PGA (applied at T1 and T2)



Wholly K^{PGA} 1l/ha resulted in a yield increase of + 0.46 t/ha

Haddenham, 2023 KWS Extase

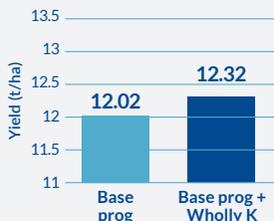
2 x Wholly K PGA (applied at T1 and T2)



Wholly K^{PGA} 1l/ha resulted in a yield increase of + 0.45 t/ha

Peopleton, 2022 KWS Extase (SPD)

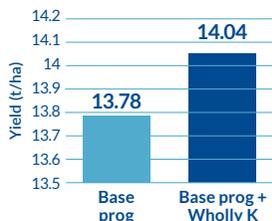
Wholly K PGA (applied at T1)



Wholly K^{PGA} 1l/ha resulted in a yield increase of + 0.29 t/ha

Haddenham, 2022 KWS Extase (SPD)

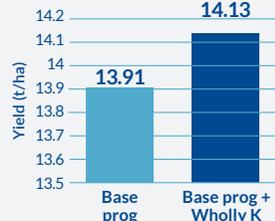
Wholly K PGA (applied at T1)



Wholly K^{PGA} 1l/ha resulted in a yield increase of + 0.26 t/ha

Peopleton, 2022 KWS Extase (Voltek+Tiros)

Wholly K PGA (applied at T1)



Wholly K^{PGA} 1l/ha resulted in a yield increase of + 0.22 t/ha



innovation range

Making a **real impact** on your farm

Bioscience products for healthier, productive crops. #InnovationImpact



WHOLLY K^{PGA}



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