

A simple and reliable, two component system with no moving parts and virtually no maintenance.

The importance of applying the optimum droplet size

A key factor in achieving effective pesticide applications is delivering the optimum droplet size in order to maximize the amount of spray that both reaches and adheres to the intended target area in the plant canopy. Unfortunately, conventional spraying solutions only offer growers a compromise scenario.

Eight manifolds plumbed between the tank and the section control



Stainless steel encased magnetic rods fitted inside the entire spray boom



Our kit can be easily retrofitted onto any type, make or length of field boom



Why MagGrow?

MagGrow's patented and proprietary system very simply enables the delivery of a more consistent spray profile which results in higher levels of pesticide coverage within the plant canopy. This allows the farmer to achieve higher coverage while using their current application rate or the same coverage using a lower application rate.

Most importantly, MagGrow provides growers with a toolkit that assists them in their vital efforts to meet their twin challenges of profitability and environmental sustainability.

When the sprayer is being replaced, the system can be easily removed in a few hours and re-fitted onto a new sprayer enabling the benefits of the MagGrow solution for many years to come.

Key Factors in Pesticide Application

Droplet Size (µm)	Spray Penetration	Spray Retention	Drift Potential	
• 100	Low	High	Exo	
• 250				
• 400				
• 550				



What are the key benefits of the MagGrow system?

- 20-50% increase in coverage
- Up to 50% lower water usage
- Less tank refills = increased productivity
- Up to 70% reduction in spray drift
- Enables regulatory compliance

“Simplicity is the Ultimate Sophistication” – Leonardo de Vinci

“It took several years of hard work and dedication by our design & engineering teams in collaboration with farmers to make our system so simple to install, easy to use and built to last”. Gary Wickham, CEO

MagGrow has completed over 100 installations in 14 different countries, helping farmers around the world to safeguard their crops.

Maatschap Schuiling from Minnertsga, The Netherlands were the very first growers to purchase the MagGrow system back in 2015. MagGrow is now widely known in The Netherlands, but back then, they were the true pioneers. We visited Gosse Schuiling and Lena Bleeker to hear more about their experiences over the past 4 years.



Why did you choose MagGrow at the time?

As arable farmers, we are open to innovative and sustainable initiatives. We originally started working with MagGrow back in 2014 when we assisted in the independent testing of the system carried out by Wageningen University & Research. The results of the testing gave us confidence in the product and this is why we decided to install a MagGrow system onto our new 40m sprayer.

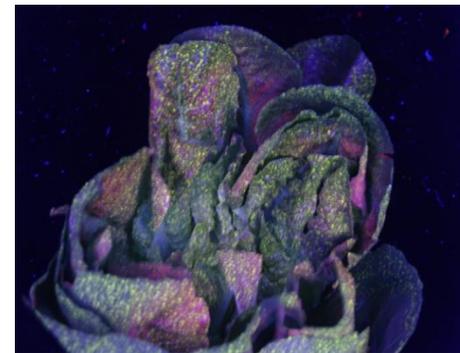
MagGrow significantly reduces waste associated with conventional pesticide applications, helping to deliver important crop protection products where they matter the most.

Have you started using fewer plant protection products right away?

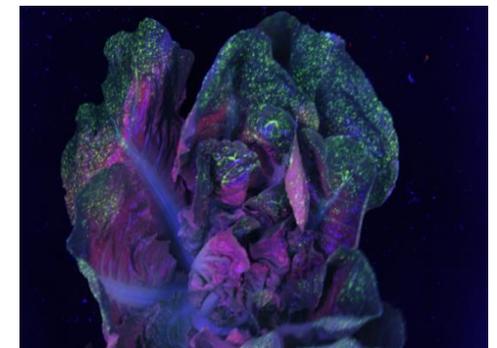
Yes, we are convinced of the system and therefore we said: "we will immediately use 75% of the recommended quantity".

What does the use of MagGrow mean for your production and expenses?

The costs for crop protection are lower and we have now saved tens of thousands of euros. We also use less water per hectare, nowadays we only use 200 litres of water instead of 250 litres. As a result, we spray more hectares per full tank and we save around 2 hours per full spray day. But the most important thing is that we use less crop protection products and the drift has been reduced enormously, which makes a positive contribution to the protection of the environment. Last but not least, the system also meets the requirements of current legislation and regulations.



MagGrow



Conventional

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