



Increased Coverage by 20% vs Conventional Sprayer

MagrowTec for Strawberry Growers

2018 Case Study- California

The biggest problem faced by strawberry growers in today's market is labor, water and cost of chemicals. MagrowTec can show a reduction in water volume that allows growers' sprayers to stay in the field longer and be more efficient, saving more money.

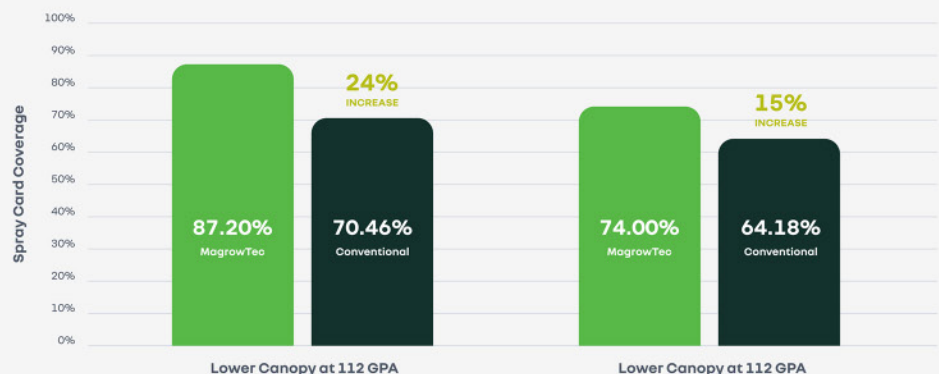
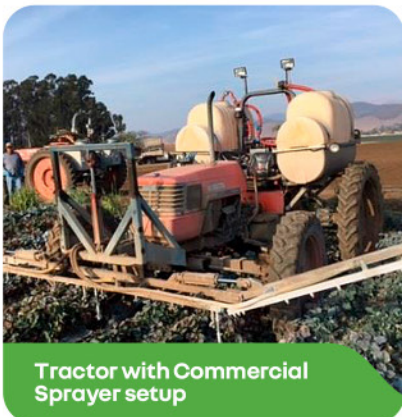
For our trial, we compared the coverage performance of the MagrowTec sprayer versus a commercially standard sprayer setup, at 112 gallon per acre spray volume in strawberries. Both sprayers had identical nozzles, system pressure, and tractor speed. Plants were grown in a commercial strawberry field in the Salinas Valley. (12" spacing, 2 plant lines on mulched beds.) Water sensitive spray cards were placed in replicated locations in the field. Two cards were placed in the upper canopy, and two were placed in the lower canopy in five plants per plots. The sprayer was passed over the same five plants per plot with the same spray card set up, allowing time for drying.

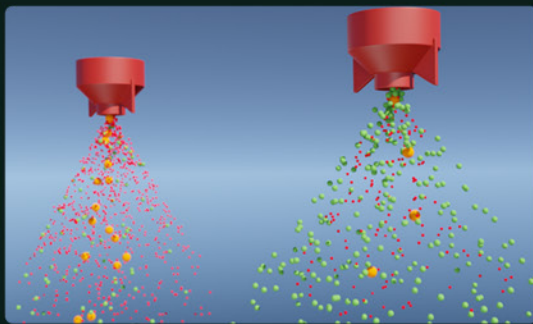
KEY FINDINGS

- ✓ In the lower canopy, MagrowTec sprayer increased coverage by 24% vs conventional
- ✓ In the upper canopy, MagrowTec sprayer increased coverage by 15% vs conventional

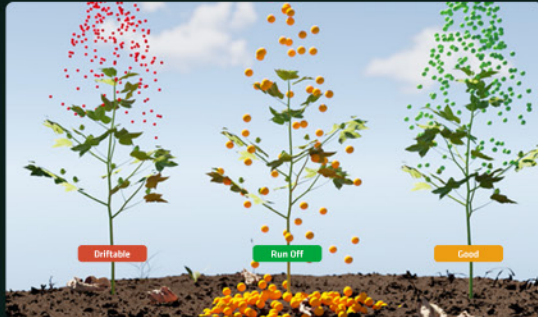
"The MagrowTec technology is a very simple system and it can very easily be fitted onto a strawberry sprayer. I can definitely see more adhesion with the MagrowTec spraying system compared to conventional spraying without any adjuvants."

- California Strawberry Grower



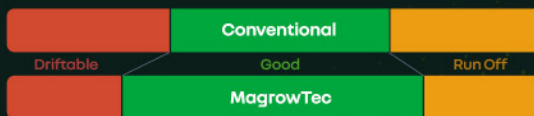


70% of all conventional spray does not reach the target crop and results in drift and run off, wasting countless dollars.



Optimum performance spray makes sure the chemical both reaches and adheres to the target.

MagrowTec Spray Optimization



MagrowTec is an accredited

97.5%

drift reduction technology

Source: TOT DRT List (Netherlands), October 2020



Spray Optimization

Spray card coverage was measured using Deposit Scan software (USDA). In the lower canopy, the plots sprayed with the MagrowTec sprayer had significantly more coverage than the same volume with the conventional sprayer. In the upper canopy, the MagrowTec sprayer provided statistically superior coverage than the conventional sprayer.

The results for deposition volume (uL per square centimeter) were significantly better on the MagrowTec sprayer, compared to the conventional sprayer in both upper and lower canopies.

Why MagrowTec?

The MagrowTec system helps by creating more of the optimum-sized spray - ensuring that more of the spray goes onto the weeds, crop canopy, buds, flowers, stalk, fruit or vegetable product itself or soil, giving better coverage and more protection.

MagrowTec helps improve crop protection, lower risk to the financial investment in the crop, increase the chance of higher crop quality and yield and reduce wastage of expensive resources like chemical inputs, water, time and money.

MagrowTec can help improve coverage by 20% or more

- ✓ Cut chemical/pesticide usage by 20% or more
- ✓ Conserve water usage by up to 50%
- ✓ Lower spray-drift by up to 70%

MagrowTec can save money, lower pollution, improve efficiency and ultimately help farmers grow and protect their best quality crop.

The data in this leaflet was collected under scientific conditions by a qualified source on behalf of the customer and/or MagrowTec.

Contact your local MagrowTec Sales Rep for more information: [MagrowTec.com/Sales](https://www.MagrowTec.com/Sales)