



Helping Produce Growers Do More with less

MagrowTec for Fresh Produce

Farm Trial Studies

In recent MagrowTec field trials, fresh produce growers implementing the MagrowTec system are noticing impressive results – increased coverage and deposition, lower rate volumes; and superior efficacy and productivity. For produce growers who have to spray frequently for optimal disease and pest management, increased coverage and deposition equals better control, and the ability to stretch application intervals between sprays while maintaining quality. Increasing the spray interval by just one day can save growers thousands of dollars. The MagrowTec system manages disease and pest pressure at lower thresholds and improves quality and yield.

KEY FINDINGS

✓
MagrowTec reduced the application rates by 15%-20% while increasing coverage and efficacy

✓
MagrowTec at a 100% rate resulted in twice the coverage of conventional spraying at 100%

✓
MagrowTec at 85% increased coverage by 45%+ compared to conventional spraying at 100%

✓
MagrowTec reduced waste and improved disease control

MagrowTec water sensitive card trial shows better coverage and better distribution across a variety of fresh produce crops



Conventional Card Images at 100% Rate

MagrowTec Card Images at 100% Rate



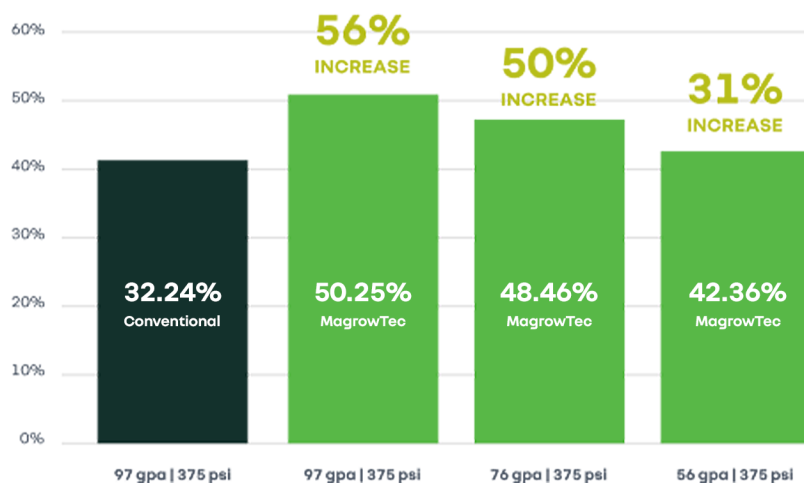
Conventional Card Images at 100% Rate

MagrowTec Card Images at 100% Rate



Conventional Card Images at 100% Rate

MagrowTec Card Images at 100% Rate



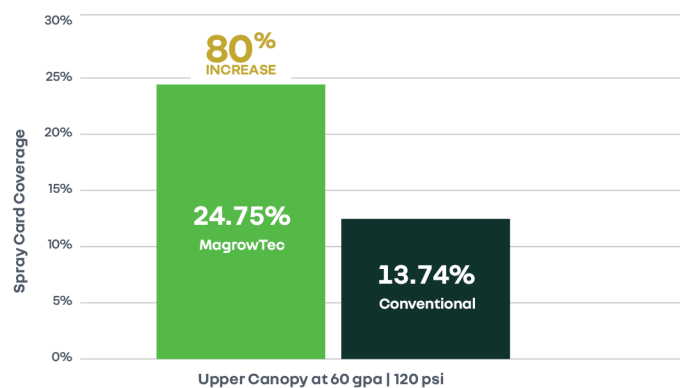
Treatment	% of Conventional
MagrowTec 100%	155.86%
MagrowTec 78%	150.31%
MagrowTec 58%	131.39%

"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



Lettuce Trial



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

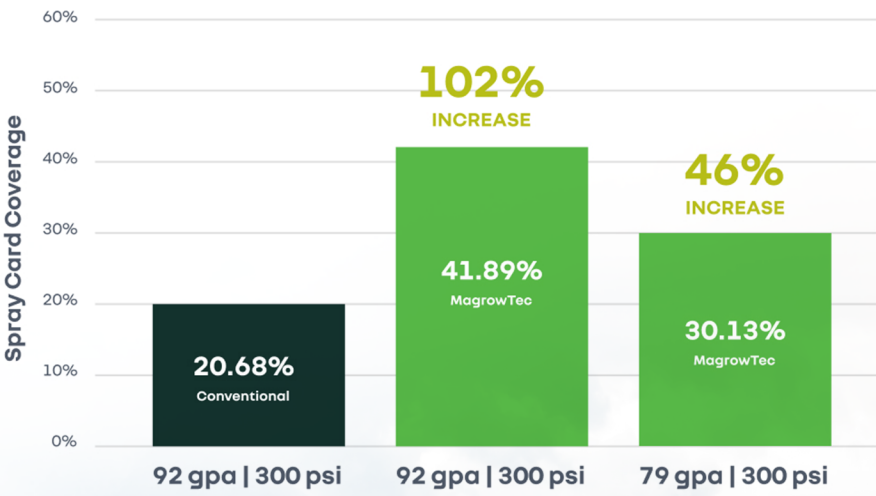
Contact your local MagrowTec Sales Rep for more information: [MagrowTec.com/Sales](https://www.MagrowTec.com/Sales)

Using MagrowTec, a Florida tomato grower achieved increased coverage and efficacy using lower rates. For them, MagrowTec at traditional volumes resulted in twice the coverage of their conventional application at the same rates. Reducing rates by 15%, increased coverage by approximately 50% compared to the conventional application at 100%. The tomato grower also reported significantly improved control of bacterial speck enabling an extended harvest period in the MagrowTec-treated plots.

The MagrowTec system offers superior pesticide applications which equates to greater sustainability through the reduction of water volume, chemical waste and increased efficiency. Research has revealed up to 70% of crop protection products never reach the intended target, resulting from drift, run-off and other environmental factors. MagrowTec’s unique technology supports a more sustainable approach to primary food production, reducing waste and environmental impacts associated with conventional spray applications, while increasing coverage and deposition to the plant surface where pesticides are most effective.

MagrowTec is all about helping growers do more with less – less time, less water, and less product equals increased coverage, better pest and disease management, and greater tractor and labor efficiency.

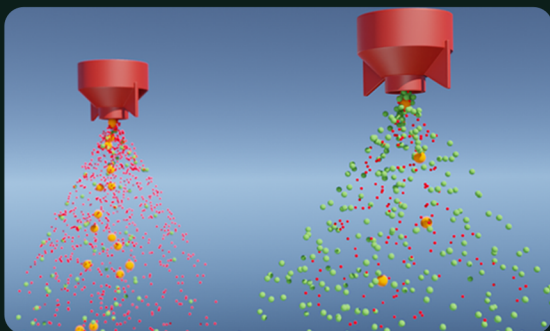
Tomato Trial



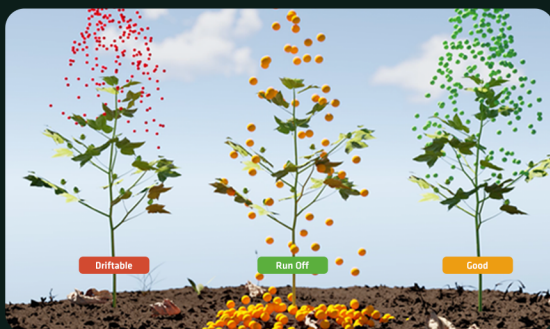
Treatment	% of Conventional
Conventional 100%	N/A
MagrowTec 100%	202.6%
MagrowTec 85%	145.7%



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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: TCT DRT List (Netherlands), October 2020

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.

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