



Carrot Trial Sheet

Increase Carrot Yield with BioStart

How it Works

BioStart Mycorrcin is a soil biostimulant that activates beneficial microbes in your soil, stimulating healthy root growth and development.

This leads to enhanced nutrient uptake, better crop establishment and improved soil structure.

Carrot Trials

Multiple trials demonstrate that **Mycorrcin** application leads to improved root development in plants.

A trial located on a 10 ha paddock in Ohakune, shows that **Mycorrcin** used on a commercial carrot crop can:

1. Improve Carrot Yield

Applying **Mycorrcin** at 5 L/ha to 4 ha of the crop at the cotyledon stage increased the marketable carrot yield at harvest by 16.7 T/ha (22%; $p < 0.01$) from 76.1 to 92.8 T/ha (Fig 1). Total carrot yield was increased by 11.4% (91 to 102 T/ha).

2. Reduce Rejects

The number of reject carrots was lower for the **Mycorrcin**-treated crop (9.5 T/ha; 9% of total harvest) than the untreated crop (14.8 T/ha; 16% of total harvest).

3. Increase Profits

The application of **Mycorrcin** increased gross profit per hectare by \$8,259 (15%; Table 1).

Figure 1. Effect of Mycorrcin on Carrot Marketable Yield, Ohakune 2009

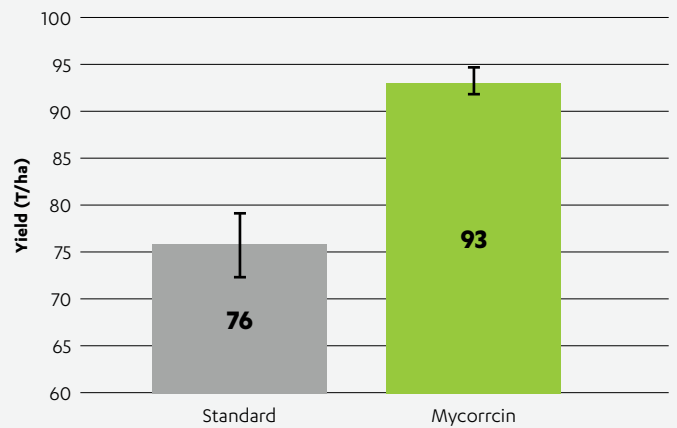


Table 1. Impact of Mycorrcin on Gross Return

	Standard program	Mycorrcin program
Marketable weight (T/Ha)	76.1	92.8
Return - Carrots	\$38,050	\$46,400
Input Cost - Mycorrcin	-	\$92
Gross Return	\$38,050	\$46,309
Increase		\$8,259
<i>Carrots Return \$500/T</i>		