

# Technical Data Report

## Multicolor Ecological Agriculture Group Inc.

### Evaluation of Multicolor Crop Application on Production of Chinese Cabbage

#### Objective

The objective of the study was to determine the effects of Multicolor Crop on production of Chinese cabbage.

#### Materials and Methods

The field trial was conducted on Chinese cabbage (*Brassica pekinensis* L.) at Lembang, Indonesia. The randomized study design consisted of two factors: timing of application (25 and 35 days after transplanting) and application rates (0.25, 0.5 and 1.0 ml per 1 liter of water). Multicolor Crop was obtained from Multicolor Ecological Agriculture Group Inc. USA. Cultural practices followed local practices and were the same for treated and control plots.

#### Results

Applications of Multicolor Crop increased Chinese cabbage production with significant yield increase for treatment with Multicolor Crop 1.00 ml per liter of water applied at 35 days after transplanting (Table 1). Multicolor Crop applied to cabbage at 25 days after transplanting increased yield by 0.05, 0.28 and 4.03 t/ha with 0.25, 0.50 and 1.00 ml per liter of water solution, and 35 days after transplanting by 2.10, 3.23, and 20.8 t/ha with 0.25, 0.50 and 1.00 ml per liter of water solution, respectively over the control.

Table 1. Effects of Multicolor Crop on Chinese cabbage yields at Lembang, Indonesia.

Treatment	Chinese Cabbage Yield (t/ha)	Difference	
		(t/ha)	(%)
Control	87.00 b*	-	-
25 days after transplant Multicolor Crop at 0.25 ml per liter of water	87.05 b	0.05	0.1
25 days after transplant Multicolor Crop at 0.50 ml per liter of water	87.28 b	0.28	0.3
25 days after transplant Multicolor Crop at 1.00 ml per liter of water	91.03 b	4.03	4.6
35 days after transplant Multicolor Crop at 0.25 ml per liter of water	89.10 b	2.10	2.4
35 days after transplant Multicolor Crop at 0.50 ml per liter of water	90.23 b	3.23	3.7
35 days after transplant Multicolor Crop at 1.00 ml per liter of water	107.80 a	20.8	23.9

\* Means followed by the same letter within a column are not significantly different at 5% level.

## **Conclusions**

Compared to the control, Multicolor Crop 1.00 ml per liter of water at 35 days after transplanting significantly improved Chinese cabbage yields by 23.9%.