

SARE Grant - FNC22-1330 - Mitigating and Eliminating the Impact of Aphids and White Moth Butterflies on

Cabbages, Okra and Collards Using Sustainable Agricultural Practices

Year	Week of Planting	# of Plants Planted/Remaining - N=12	# of Plants in Control Group - No Treatment - N=4	Pests Spotted -1	Pests Spotted 2	Solutions - # of Weekly Applications	Solutions - # of Weekly Applications	Solutions - # of Weekly Applications	Solutions	Solutions	Results
2023		Collards/Kale		Aphids	Caterpillar/W hite Moth	Hosing/Waterin g	Neem Oil	BT/DE	Netting	Beneficial Insects	
	16-Apr	12	4	No	Yes	3	0	0	Yes	No	No change
	23-Apr	12	4	No	Yes	3	0	0	Yes	No	No change
	30-Apr	12	4	No	Yes	3	0	0	Yes	No	No change
	7-May	12	4	No	Yes	3	0	0	Yes	No	No change
	14-May	12	4	Yes	Yes	3	3	0	Yes	No	Minor holes in leaves/brown spots
	21-May	12	4	Yes	Yes	3	3	0	Yes	No	Minor holes in leaves/brown spots
	28-May	12	4	Yes	Yes	5	3	0	Yes	No	Minor holes in leaves/brown spots
	4-Jun	11	3	Yes	Yes	5	3	0	Yes	No	Minor holes in leaves/brown spots
	11-Jun	11	2	Yes	Yes	5	3	0	Yes	No	Minor holes in leaves/brown spots
	18-Jun	11	2	Yes	Yes	5	3	0	Yes	No	Lost plants/stalks died/reduced yield
	25-Jun	10	1	Yes	Yes	5	3	1	Yes	No	Lost plants/stalks died/reduced yield
	2-Jul	10	1	Yes	Yes	3	2	1	No	No	Lost plants/stalks died/reduced yield
	9-Jul	9	0	Yes	Yes	3	2	1	No	No	Lost plants/stalks died/reduced yield
	16-Jul	8	0	Yes	Yes	3	2	1	No	Yes	Lost plants/stalks died/reduced yield
	23-Jul	6	0	Yes	Yes	2	2	1	Yes	No	Total Infestation
	30-Jul	5	0	Yes	Yes	2	2	1	No	No	Total Infestation
	6-Aug	0	0	Yes	Yes	2	2	1	No	No	Total Infestation
	13-Aug	0	0	Yes	Yes	2	2	1	No	No	Total Infestation
	20-Aug	0	0	Yes	Yes	2	2	0	No	No	Total Infestation

\*BT= bacillus thuringiensis

\* DE = diatomaceous earth