

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
2022		Collards/Kale		Aphids	Caterpillar/White Moth	Hosing/Watering	Neem Oil	BT/DE	Netting	Beneficial Insects	
	18-Jul	12	4	No	Yes	3	0	0	Yes	No	No change
	25-Jul	12	4	No	Yes	3	0	0	Yes	No	No change
	1-Aug	12	4	No	Yes	3	0	0	Yes	No	No change
	8-Aug	12	4	No	Yes	3	0	0	Yes	No	No change
	15-Aug	12	4	Yes	Yes	3	3	0	Yes	No	Minor holes in leaves/brown spots
	22-Aug	12	4	Yes	Yes	3	3	0	Yes	No	Minor holes in leaves/brown spots
	29-Aug	12	4	Yes	Yes	5	3	0	Yes	No	Minor holes in leaves/brown spots
	5-Sep	10	4	Yes	Yes	5	3	0	Yes	No	Minor holes in leaves/brown spots
	12-Sep	10	1	Yes	Yes	5	3	0	Yes	No	Minor holes in leaves/brown spots
	19-Sep	8	1	Yes	Yes	5	3	0	Yes	No	Lost plants/stalks died/reduced yield
	26-Sep	8	1	Yes	Yes	5	3	0	Yes	No	Lost plants/stalks died/reduced yield
	3-Oct	6	1	Yes	Yes	3	2	0	No	No	Lost plants/stalks died/reduced yield
	10-Oct	4	0	Yes	Yes	3	2	0	No	No	Lost plants/stalks died/reduced yield
	17-Oct	4	0	Yes	Yes	3	2	0	No	No	Lost plants/stalks died/reduced yield

*BT= bacillus thuringiensis

* DE = diatomaceous earth