

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	# of Plants Planted/Remaining- N=8	# of Plants in Control Group - No Treatment -N=2	Pests Spotted -1	Pest Spotted-2	Solutions - # of Weekly Applications	Solutions - # of Weekly Applications	Solutions - # of Weekly Applications	Solutions	Solutions	Results
2023		Cabbages		Aphids	Caterpillar/W hite Moth	Hosing/Watering	Neem Oil	BT/DE	Netting/ Mesh	Beneficial Insects	
	16-Apr	20	4	No	No	3	0	0	Yes	No	No Change
	23-Apr	20	2	No	No	3	0	0	Yes	No	No Change
	30-Apr	20	2	No	No	3	0	0	Yes	No	No Change
	7-May	20	2	No	Yes	3	0	0	Yes	No	No Change
	14-May	20	2	No	Yes	3	0	2	Yes	No	Black spots on cabbages
	21-May	20	2	No	Yes	3	0	2	Yes	No	Black spots on cabbages
	28-May	20	2	No	Yes	3	0	3	Yes	No	Black spots on cabbages
	4-Jun	20	1	No	Yes	3	0	3	Yes	No	Black spots on cabbages
	11-Jun	20	1	No	Yes	3	0	2	Yes	No	Lost plants in conrol group/ black spots/heads deteriorated
	18-Jun	16	0	No	Yes	3	0	2	Yes	No	Lost plants in conrol group/ black spots/heads
	25-Jun	16	0	No	Yes	3	0	1	Yes	No	conrol group/ black spots/heads deteriorated
	2-Jul	16	0	No	Yes	3	0	1	Yes	No	conrol group/ black spots/heads deteriorated
	9-Jul	16	0	No	Yes	3	0	1	Yes	No	In treatment group best yield
	16-Jul	16	0	No	Yes	3	0	1	No	No	In treatment group best yield
	23-Jul	16	0	No	Yes	3	0	1	No	No	In treatment group best yield
	30-Jul	13	0	No	Yes	1	0	1	No	No	In treatment group best yield
	6-Aug	13	0	No	Yes	1	0	1	No	No	In treatment group best yield

*BT= bacillus thuringiensis

* DE = diatomaceous earth