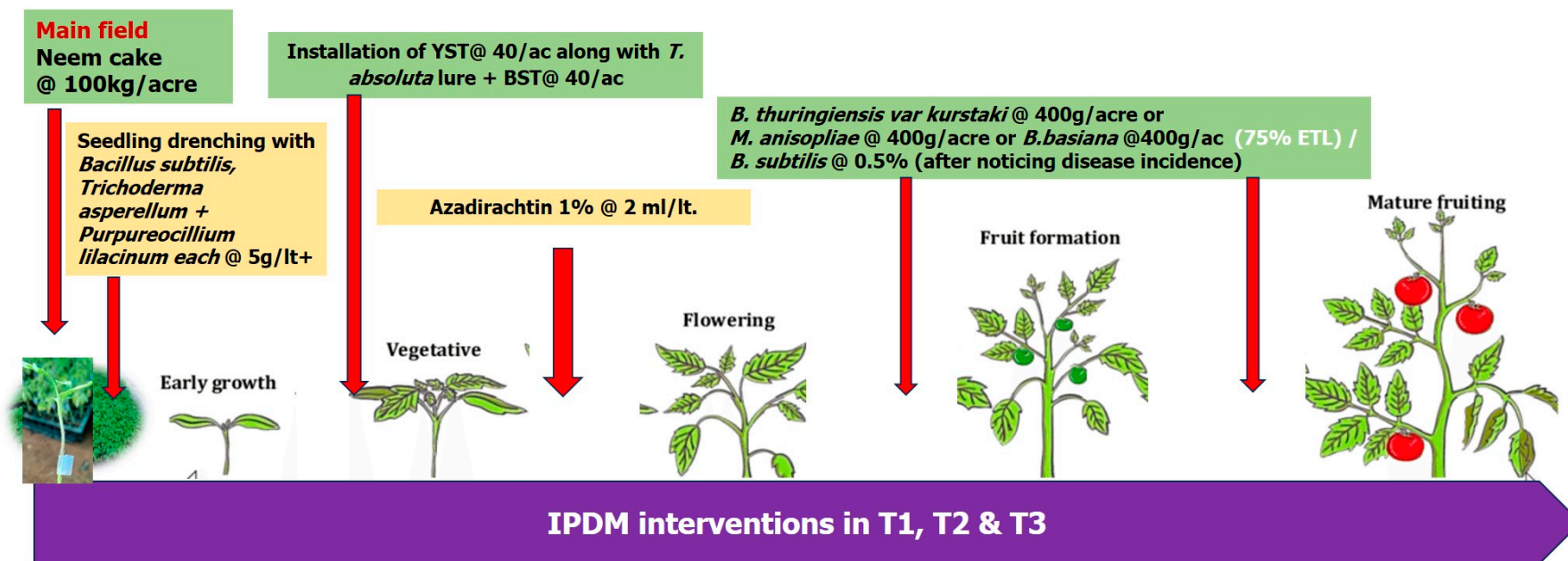


Supplementary Plate S1: Integrated Pest & Disease Management interventions in the IPM interventions across the experimental locations



Supplementary Table S1. Effect of various modules against natural enemies on tomato in location 1:Vandikaranur (Coimbatore Dt.)

Treatment	Grubs/Nymphs and Adults (Nos./ Plant)* Mean $\pm$ SE			
	Coccinellids	Chrysoperlla	Anthocorids	Spiders
T1	2.7 $\pm$ 0.09 ^{ab}	1.2 $\pm$ 0.07 ^{ab}	2.1 $\pm$ 0.05 ^{ab}	1.6 $\pm$ 0.09 ^{ab}
T2	2.2 $\pm$ 0.05 ^c	0.8 $\pm$ 0.07 ^c	1.6 $\pm$ 0.08 ^c	1.1 $\pm$ 0.07 ^c
T3	2.5 $\pm$ 0.14 ^{bc}	1.0 $\pm$ 0.05 ^{abc}	1.9 $\pm$ 0.16 ^{bc}	1.3 $\pm$ 0.06 ^{abc}
T4	3.1 $\pm$ 0.11 ^a	1.5 $\pm$ 0.04 ^a	2.5 $\pm$ 0.09 ^a	1.8 $\pm$ 0.12 ^a
T5	2.9 $\pm$ 0.10 ^{ab}	1.3 $\pm$ 0.13 ^{ab}	2.3 $\pm$ 0.12 ^{ab}	1.6 $\pm$ 0.11 ^{ab}
T6	0.8 $\pm$ 0.13 ^d	0.3 $\pm$ 0.02 ^d	0.5 $\pm$ 0.05 ^d	0.4 $\pm$ 0.03 ^d
F value	70.64	46.24	61.28	36.69
Trt, DF	5, 15	5, 15	5, 15	5, 15
(P<0.05)	<0.0001	<0.0001	<0.0001	<0.0001

* Cumulative mean of six observations; SE- Standard Error; T1 – Grafted tomato (EG 203) +IPDM; T2 - Grafted tomato (TS 03) +IPDM; T3 - Tomato (without graft) +IPDM; T4 - Grafted tomato (EG 203) + without IPDM; T5 - Grafted tomato (TS 03) + Without IPDM; T6 - Farmers Practice; Mean values followed by the same superscript alphabet (s) in the columns do not differ significantly by Tukey at P=0.05 level.

Supplementary Table S2. Effect of various modules against natural enemies on tomato in location 2: Karadimadai (Coimbatore Dt.)

Treatment	Grubs/Nymphs and Adults (Nos./ Plant)* Mean $\pm$ SE			
	Coccinellids	Chrysoperlla	Anthocorids	Spiders
T1	1.1 $\pm$ 0.13 ^{ab}	0.7 $\pm$ 0.07 ^{bc}	0.0 $\pm$ 0.00	0.6 $\pm$ 0.05 ^{abc}
T2	0.6 $\pm$ 0.08 ^c	0.3 $\pm$ 0.04 ^d	0.0 $\pm$ 0.00	0.4 $\pm$ 0.04 ^c
T3	0.8 $\pm$ 0.07 ^{abc}	0.6 $\pm$ 0.03 ^{cd}	0.0 $\pm$ 0.00	0.5 $\pm$ 0.06 ^{bc}
T4	1.5 $\pm$ 0.10 ^a	0.9 $\pm$ 0.09 ^a	0.0 $\pm$ 0.00	0.8 $\pm$ 0.03 ^a
T5	1.2 $\pm$ 0.08 ^{ab}	0.8 $\pm$ 0.05 ^{ab}	0.0 $\pm$ 0.00	0.6 $\pm$ 0.06 ^{ab}
T6	0.3 $\pm$ 0.05 ^d	0.2 $\pm$ 0.03 ^e	0.0 $\pm$ 0.00	0.2 $\pm$ 0.01 ^d
F value	25.22	35.02	-	19.27
Trt, DF	5, 15	5, 15	5, 15	5, 15
(P<0.05)	<0.0001	<0.0001	0.0001	<0.0001

* Cumulative mean of six observations; SE- Standard Error; T1 – Grafted tomato (EG 203) +IPDM; T2 - Grafted tomato (TS 03) +IPDM; T3 - Tomato (without graft) +IPDM; T4 - Grafted tomato (EG 203) + without IPDM; T5 - Grafted tomato (TS 03) + Without IPDM; T6 - Farmers Practice; Mean values followed by the same superscript alphabet (s) in the columns do not differ significantly by Tukey at P=0.05 level.

Supplementary Table S3. Effect of various modules against natural enemies on tomato in location 3: Somanahalli (Dharmapuri Dt.)

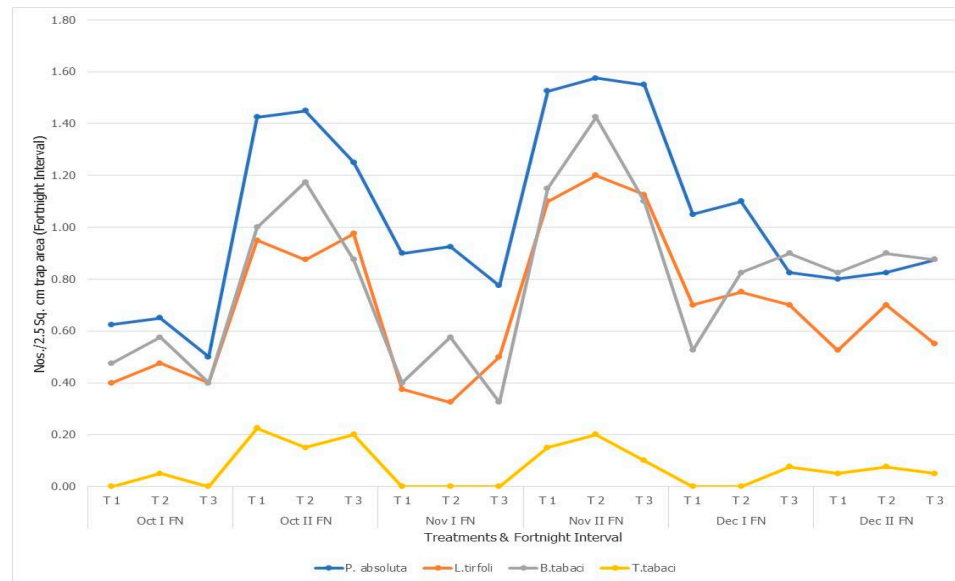
Treatment	Grubs/Nymphs and Adults (Nos./ Plant)* Mean $\pm$ SE			
	Coccinellids	Chrysoperlla	Anthocorids	Spiders
T1	2.3 $\pm$ 0.05 ^{ab}	0.6 $\pm$ 0.07 ^{bc}	1.3 $\pm$ 0.09 ^{ab}	0.8 $\pm$ 0.06 ^{abc}
T2	1.8 $\pm$ 0.07 ^c	0.3 $\pm$ 0.04 ^d	0.9 $\pm$ 0.08 ^c	0.6 $\pm$ 0.05 ^c
T3	2.0 $\pm$ 0.16 ^{bc}	0.4 $\pm$ 0.03 ^{cd}	1.1 $\pm$ 0.08 ^{bc}	0.7 $\pm$ 0.03 ^{bc}
T4	2.6 $\pm$ 0.09 ^a	0.9 $\pm$ 0.05 ^a	1.7 $\pm$ 0.15 ^a	1.0 $\pm$ 0.10 ^a
T5	2.4 $\pm$ 0.03 ^{ab}	0.7 $\pm$ 0.04 ^{ab}	1.4 $\pm$ 0.06 ^{ab}	0.9 $\pm$ 0.11 ^{ab}
T6	0.7 $\pm$ 0.06 ^d	0.1 $\pm$ 0.01 ^e	0.4 $\pm$ 0.03 ^d	0.1 $\pm$ 0.03 ^d
F value	68.82	59.10	58.50	33.55
Trt, DF	5, 15	5, 15	5, 15	5, 15
(P<0.05)	<0.0001	0.0001	0.0001	<0.0001

* Cumulative mean of six observations; SE- Standard Error; T1 – Grafted tomato (EG 203) +IPDM; T2 - Grafted tomato (TS 03) +IPDM; T3 - Tomato (without graft) +IPDM; T4 - Grafted tomato (EG 203) + without IPDM; T5 - Grafted tomato (TS 03) + Without IPDM; T6 - Farmers Practice; Mean values followed by the same superscript alphabet (s) in the columns do not differ significantly by Tukey at P=0.05 level.

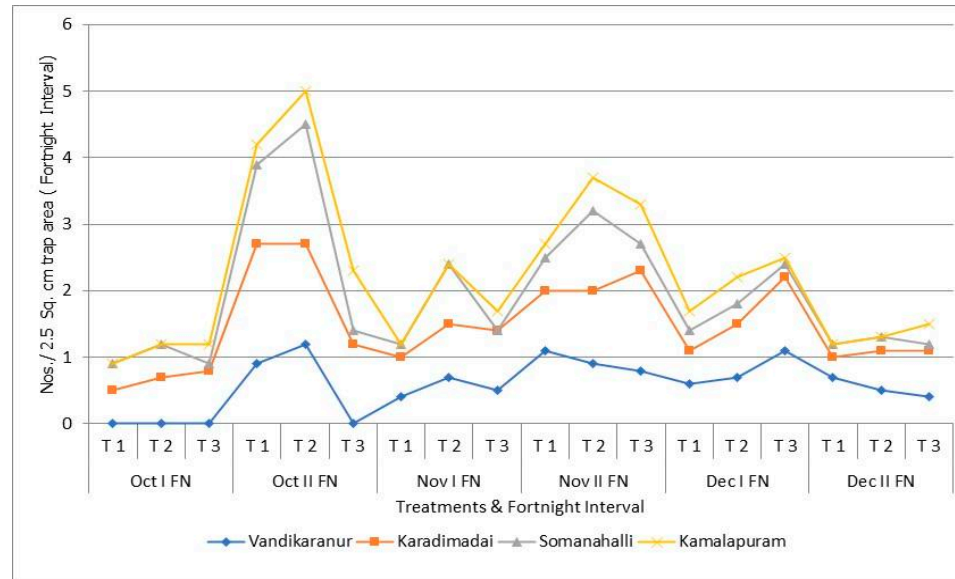
Supplementary Table S4. Effect of various modules against natural enemies on tomato in location 4: Kamalapuram (Dharmapuri Dt.)

Treatment	Grubs/Nymphs and Adults (Nos./ Plant)* Mean $\pm$ SE			
	Coccinellids	Chrysoperlla	Anthocorids	Spiders
T1	2.4 $\pm$ 0.09 ^{ab}	1.6 $\pm$ 0.17 ^{ab}	1.9 $\pm$ 0.07 ^{ab}	1.5 $\pm$ 0.10 ^{ab}
T2	1.9 $\pm$ 0.07 ^c	1.2 $\pm$ 1.24 ^b	1.5 $\pm$ 0.13 ^b	1.1 $\pm$ 0.05 ^c
T3	2.1 $\pm$ 0.07 ^{bc}	1.3 $\pm$ 1.30 ^b	1.7 $\pm$ 0.07 ^{ab}	1.3 $\pm$ 0.07 ^{bc}
T4	2.6 $\pm$ 0.13 ^a	1.8 $\pm$ 1.82 ^{ab}	2.1 $\pm$ 0.04 ^a	1.8 $\pm$ 0.09 ^a
T5	2.5 $\pm$ 0.07 ^{ab}	1.7 $\pm$ 1.65 ^a	2.0 $\pm$ 0.05 ^{ab}	1.6 $\pm$ 0.10 ^{ab}
T6	0.7 $\pm$ 0.09 ^d	0.4 $\pm$ 0.44 ^c	0.7 $\pm$ 0.05 ^c	0.3 $\pm$ 0.01 ^d
F value	60.59	27.12	78.94	55.95
Trt, DF	5, 15	5, 15	5, 15	5, 15
(P<0.05)	<0.0001	<0.0001	<0.0001	<0.0001

* Cumulative mean of six observations; SE- Standard Error; T1 – Grafted tomato (EG 203) +IPDM; T2 - Grafted tomato (TS 03) +IPDM; T3 - Tomato (without graft) +IPDM; T4 - Grafted tomato (EG 203) + without IPDM; T5 - Grafted tomato (TS 03) + Without IPDM; T6 - Farmers Practice; Mean values followed by the same superscript alphabet (s) in the columns do not differ significantly by Tukey at P=0.05 level.



Supplementary Figure S1. Pooled mean number of insect pests attracted to yellow sticky traps among tomato IPDM combination modules tested in Tamil Nadu in four experimental locations.



Supplementary Figure S2. The mean number (four replications) of thrips attracted to blue sticky traps among tomato IPDM combination modules tested in Tamil Nadu in four experimental locations.