

ON-GOING RESEARCH PROJECTS IN THE DEPARTMENT (2023-24)

Sr. No.	Title of the project (B.H.)	Name of PI	Name of Co-PI	Sponsoring Authority	Category of Project	Financial outlay (Rs. In Lakh)
1	2	3	4	5	6	7
1.	Integrated Pest Management (12988-02)	Dr. D. B. Sisodiya	--	GOG, Gandhinagar	Plan	18.00
2.	Integrated Pest Management and Bio-control, Govt. of Gujarat (12964)	Dr. D. B. Sisodiya	--	GOG, Gandhinagar	Plan	8.00
3.	Apiculture and Sericulture (12931)	Dr. D. B. Sisodiya	--	GOG, Gandhinagar	Plan	4.00
4.	Efficacy of thiamethoxam 30% FS as seed treatment Against Early Crop Stage Insect-pests in cumin (18559-51)	Dr. D. B. Sisodiya	Dr. M. D. Suthar	Sygenta India Pvt. Ltd.	Other agency	9.68
5.	Evaluation of Spidoxamat 9.6% + Spinetoram 12% WG against thrips and whitefly in cotton	Dr. D. B. Sisodiya	Dr. H. C. Patel	Bayer Crop Science Limited, Indore.	Other agency	9.68

6.	Evaluation of bio-efficacy of PIX 20002 20% SC against bollworms in cotton	Dr. D. B. Sisodiya	Dr. H. C. Patel	PI Industries Limited, Gurgaon	Other agency	10.12
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RESEARCH PROJECTS COMPLETED BY DEPARTMENT

Sr. No.	Title of the project	Name of PI	Name of Co-PI	Sponsoring Authority	Category of the Project	Year of Completion
1	2	3	4	5	6	7
1	Bio-efficacy of KN 128 (Indoxacarb) 15 EC for the control of <i>Helicoverpa armigera</i> (Hubner) Hardwick in cotton	Dr. R. C. Jhala	Dr. T. M. Bharpoda	M/s. E. I. Dupont India Pvt. Ltd., Manjusar	Other agency	2005
2	Bioefficacy of KN 128 (Indoxacarb) 15 EC for the control of <i>Helicoverpa armigera</i> (Hubner) Hardwick in pigeon pea	Dr. R. C. Jhala	Dr. T. M. Bharpoda	M/s. E. I. Dupont India Pvt. Ltd., Manjusar	Other agency	2005
3	Implementation and promotion of an integrated pest management strategy for the control of eggplant fruit and shoot borer (<i>Leucinodes orbonales</i>) in Indo gangetic plains of South Asia	Dr. R. C. Jhala	Dr. M. G. Patel	DFID,-AVRDC, UK, Taiwan	International	2006

4	Cotton IPM using PB Rope LTT (MATING DISRUPTION) for pink bollworm (<i>Pectinophora gossypiella</i> (Saunders)) in Gujarat	Dr. R. C. Jhala	Dr. D. M. Mehta	PI Industries Ltd., Gurgaon	Other agency	2006
5	Large scale demonstration of PB Rope LTT against PBW (<i>Pectinophora gossypiella</i> (Saunders)) infesting cotton in Gujarat	Dr. R. C. Jhala	Dr. D. M. Mehta	PI Industries Ltd., Gurgaon	Other agency	2006
6	Bioassay of Biosoft (<i>Beauveria bassiana</i>), Vangourd (Azadirachtin 1500 ppm) and Quinalphos 25 EC against diamond back moth (<i>Plutella xylostella</i>) under laboratory condition.	Dr. R. C. Jhala	Dr. T. M. Bharpoda	M/s. Agriland Biotech Ltd., Mota- Motipura, District Baroda, Gujarat	Other agency	2007
7	Bio-efficacy of NNI 0001 (Flubendiamide) 480 SC against diamondback moth (<i>Plutella xylostella</i>) in cabbage	Dr. R. C. Jhala	Dr. J. J. Patel and Dr. P. K. Borad	Bayar crop science Ltd., Mumbai	Other agency	2007

8	Bio-efficacy of larvin (Thiodicarb) 75 WP against Lepidoptera insect pests (<i>H. armigera</i> , <i>Maruca vitrata</i> and <i>Spodoptera litura</i>) in black gram	Dr. R. C. Jhala	Dr. J. J. Patel and Dr. P. K. Borad	Bayar crop science Ltd., Mumbai	Other agency	2007
9	Bio-efficacy of E2Y45 for the control of bollworm complex in cotton	Dr. R. C. Jhala	Dr. T. M. Bharpoda	M/s. E. I. DuPont India Pvt. Ltd., Manjusar	Other agency	2007
10	Pioneering Development of A Public-private Partnership in the Use of Agribiotechnology for Sustainable Solution to Insect Problems on Crucifer Crops in India	Dr. R. C. Jhala	Dr. T. M. Bharpoda	AVRDC – Taiwan and Vater und Sohn Eiselen-Stiftung, Ulm, Germany	International	2007
11	Demonstration on area wide management of cotton pink bollworm (<i>Pectinophora gossypiella</i>) using PB-ROPE LTT (mating disruption)	Dr. R. C. Jhala	Dr. D. M. Maheta	M/s. PI Industries Ltd., Gurgaon	Other agency	2007

12	Bio-efficacy of Imidacloprid 40% + Fipronil 0% - 80 WG against sucking pest in cotton	Dr. R. C. Jhala	Dr. T. M. Bharpoda	M/s. Bayar crop science Ltd., Mumbai	Other agency	2008
13	Bio-efficacy of E2Y45 20 SC against pod borer complex in pigeon pea	Dr. R. C. Jhala	Dr. T. M. Bharpoda	M/s. E.I. Dupont India Ltd., Manjusar	Other agency	2008
14	Bio-efficacy of E2Y45 20 SC against fruit borer, <i>H. armigera</i> (Hubner) Hardwick in tomato	Dr. R. C. Jhala	Dr. T. M. Bharpoda	M/s. E.I. Dupont India Ltd., Manjusar	Other agency	2008
15	Pyridalyl(S-1812) 10 EC alone and in mixture with fenpropathrin and fenavalerate against pod borer cowpea in pigeon pea	Dr. M. G. Patel	--	M/s. Sumitomo chemical India Pvt. Ltd., Mumbai	Other agency	2008
16	Bio-efficacy of NNI 0001 (Flubendiamide) 480 SC against lepidopteran pod borer and defoliators (<i>Maruca vitrata</i> , <i>Helicoverpa armigera</i> and <i>Spodoptera litura</i>) in black gram	Dr. T. M. Bharpoda	Dr. J. J. Patel Dr. P. K. Borad	M/s. Bayar crop science Ltd., Mumbai	Other agency	2008

17	Bio-efficacy of flubendiamide 24% +thiacloprid 24% - 48% SC (w/v) against bollworms and sucking pests of crops of cotton crop	Dr. R. C. Jhala	Dr. M. G. Patel	M/s. Bayar crop science Ltd., Mumbai	Other agency	2008
18	Bio-efficacy of UPI-206 (Flonicamide) 50 WG against sucking pest in cotton	Dr. T. M. Bharpoda	Dr. M. G. Patel	United Phosphorus Ltd., Mumbai	Other agency	2009
19	Bio-efficacy of Applaud 25% (Buprofezin) against mealy bugs, <i>Phenacoccus solenopsis</i> Tinsley (Hemiptera : Pseudococcidae) in cotton	Dr. R. C. Jhala	Dr. M. G. Patel Dr. N. M. Vaghela	M/s. Rallis India Ltd., Mumbai	Other agency	2009
20	Bio-efficacy of UPI-106 (Chlorfluazuron 5 EC) against pests of cabbage	Dr. T. M. Bharpoda	Dr. M. G. Patel	United Phosphorus Ltd., Mumbai	Other agency	2009
21	Estimation of population/infestation of with an emphasis on pink bollworm on Bollgard, Bollgard-II and Non- <i>Bt</i> cotton crop	Dr. R. C. Jhala	Dr. T. M. Bharpoda	Ms. Mahyco Monanto Biotech (India) Ltd., Bangalore	Other agency	2010

22	Bio-Efficacy of HGW86 10% OD against insect pests complex of cabbage	Dr. P. K. Borad	Mr. N. B. Patel	M/s. E. I. Dupont India Private Ltd., Gurgaon	Other agency	2011
23	Bio-efficacy of HGW86 10% OD (Cyazypyr 10 OD) against insect pests of cotton	Dr. T. M. Bharpoda	Mr. N. B. Patel	M/s E.I. DuPont India Pvt. Ltd., Manjusar	Other agency	2012
24	Bio-efficacy of Flubendiamide 480 SC (Fame 480 SC) against leaf Webber cum stem borer & fruit borer of Jatropha	Dr. C. C. Patel	Mr. N. B. Patel Dr. R. S. Fougat	M/s Bayer CropScience, Ahmedabad	Other agency	2012
25	Evaluation of RIL-021/F2 (70%DF) for bio-efficacy against sucking insect pests, Phytotoxicity and its safety to natural enemies on cotton	Dr. T. M. Bharpoda	Mr. N. B. Patel	M/s. Rallis India Ltd., Bangalore	Other agency	2012
26	Evaluation of Bio-efficacy & Phytotoxicity of Fipronil 200 SC against insect pest (Thrips) of cotton	Dr. C. C. Patel	Dr. R. K. Thumar and Dr. L. V. Ghetiya	M/s Bayer Crop Science Ltd., Ahmedabad	Other agency	2013

28	Evaluation of Bio-efficacy & Phytotoxicity of BYI 02960-SL 200 against sucking pest complex of cotton	Dr. C. C. Patel	Sh. N. A. Bhatt, Dr. L. V. Ghetiya	M/s Bayer Crop Science Ltd., Ahmedabad	Other agency	2013
29	Evaluation of Bio-efficacy of Diafenthiuron 50 WP from New Source against Cotton insect pest	Dr. C. C. Patel	Sh. N. A. Bhatt and Dr. L. V. Ghetiya	M/s Syngenta India Ltd., Pune	Other agency	2013
30	National information system for pest management (Bt cotton)	Dr. T. M. Bharpoda	Dr. M. G. Patel (2008-11), Dr. R. K. Thumar (2012-13),	NCIPM (ICAR), New Delhi	ICAR, New Delhi	2008-2013
31	Bio-safety Research Trial Level-1 (BRL-1) for Insect Resistant Transgenic Corn Hybrids (MON 89034)	Dr. C. C. Patel	Dr. B. N. Patel	M/s Monsanto India Ltd., Mumbai	Other agency	2014
32	Bio-efficacy and phytotoxicity of bio-pesticides (Brahmastra, Agniastra and Neemastra)	Dr. T. M. Bharpoda	Prof. N. A. Bhatt	M/s. Transchem agritech Ltd., Vadodara	Other agency	2015

	against sucking insect-pests of cotton					
33	Bio-efficacy & Phytotoxicity of Agro clean, a bio-product against sucking insect pests of <i>Bt</i> cotton	Dr. T. M. Bharpoda	Prof. N. A. Bhatt	by M/s Shukla Ashar Impex Pvt. Ltd., Rajkot	Other agency	2015
34	Bio-efficacy and phytotoxicity of bio-pesticides (<i>Brahmastra</i> , <i>Agniastra</i> and <i>Neemastra</i>) against sucking insect-pests of okra	Dr. T. M. Bharpoda	Prof. N. A. Bhatt	M/s. Transchem agritech Ltd., Vadodara	Other agency	2015
35	Bio-efficacy and phytotoxicity of Solomon 300 OD against sucking insect pests in cotton	Dr. T. M. Bharpoda	Dr. R. K. Thumar	M/s. Bayar crop science Ltd., Ahmedabad	Other agency	2016
36	Evaluation of bio-efficacy and Phytotoxicity of Movento 150 OD (Spirotetramat 15% w/v OD) against sucking pest complex of Cotton	Dr. R. K. Thumar	Dr. C. C. Patel	M/s. Bayer Crop Science Limited, Ahmedabad	Other agency	2016

37	Bio-efficacy and phytotoxicity of imidacloprid 200 SL (imidacloprid 17.1 %w/w SL) against sucking insect-pests of cotton	Dr. C. C. Patel	Dr. R. K. Thumar	M/s. Bayer cropscience Ltd., Ahmedabad	Other agency	2016
38	Bio-efficacy and phytotoxicity of combi product SLR- 525 against sucking insect-pests in cotton	Dr. T. M. Bharpoda	Dr. R. K. Thumar	M/s. GSP crop science Ltd., Ahmedabad	Other agency	2016
39	Online pest monitoring and advisory services (OPMAS)	Dr. T. M. Bharpoda	Dr. R. K. Thumar	GOI and ICAR-NCIPM, New Delhi	GOI and ICAR-NCIPM, New Delhi	2014-2016
40	Evaluation of MAIRM-08 (Diafenthiuron 47% + Bifenthrin 9.4% SC) against sucking pests (Jassid, whitefly, aphid and thrips) and bollworms in cotton	Dr. C. C. Patel	Dr. M. D. Suthar	ADAMA India Pvt. Ltd., Telangana, Hyderabad	Other agency	2017

41	Evaluation of Buprofezin 15% + Acephate 35% against sucking pests in cotton [B.H. 18457-24(1)]	Dr. R. K. Thumar	Dr. M. D. Suthar	ADAMA India Pvt. Ltd., Telangana, Hyderabad	Other agency	2017
42	Bio-efficacy and Phytotoxicity of flonicamid 50% WG against mango hoppers in Mango [B.H. 18457-27(2)].	Dr. R. K. Thumar	Ms. M. V. Lunagariya	UPL Ltd., Mumbai	Other agency	2017
43	Bio-efficacy evaluation of new insecticide molecule PII 8007 20 % SC on insect pests of pomegranate	Dr. C. C. Patel	Dr. M. D. Suthar	PI Industries Ltd., Udaipur	Other agency	2018
44	Management of pink bollworm, <i>Pectinophora gossypiella</i> (Saunders) using PB Rope L and its effect on sucking pests and beneficial fauna in <i>Bt</i> cotton	Dr. C. C. Patel	Dr. M. D. Suthar	PI Industries Ltd., Gurgaon, Haryana	Other agency	2018
45	Bio-efficacy and Phytotoxicity of Spiromesifen 22.9 % SC against whitefly and mites in <i>Bt</i> cotton	Dr. T. M. Bharpoda	Dr. C. B. Varma	Meghmani Organics Ltd., Ahmedabad	Other agency	2018

	[B.H. 18457-52].					
46	Bio-efficacy and Phytotoxicity of POWEROIL GARNET AG (2.5% v/v) against sucking pests and pink bollworm in <i>Bt</i> cotton [B. H.18457-66]	Dr. C. C. Patel	Dr. C. B. Varma	APAR Industries Ltd., Mumbai	Other agency	2018
47	Bio-efficacy and Phytotoxicity of flonicamid 50% WG against sucking pests in <i>Bt</i> cotton [B.H. 18457-51]	Dr. C. B. Varma	Dr. M. D. Suthar	Meghmani Organics Ltd., Ahmedabad	Other agency	2018
48	Bio-efficacy and Phytotoxicity field evaluation of insecticides Lufenuron 5.4% EC against American bollworm, <i>Helicoverpa armigera</i> (Hubner) Hardwick in cotton [B.H. 18457-97].	Dr. M. D. Suthar	Dr. C. B. Varma	Meghmani Organics Ltd., Ahmedabad	Other agency	2018
49	Standardization of PB Rope L required for the Management of pink bollworm, <i>Pectinophora</i>	Dr. C. C. Patel	Dr. C. B. Varma	PI Industries Ltd., Gurgaon, Haryana	Other agency	2018

	<i>gossypiella</i> (Saunders) in <i>Bt</i> cotton [B.H. 18457-05]					
50	Evaluation of bio-efficacy of Thiamethoxam 12.6% + Lambda cyhalothrin 9.5% ZC% (Alika 247 ZC) against cumin pests [B. H.18557-27]	Dr. C. B. Varma	Dr. M. D. Suthar	Syngenta India Ltd., Pune	Other agency	2019
51	Bio-efficacy field trial of insecticide against fall armyworm, <i>Spodoptera frugiperda</i> (J. E. Smith) infesting maize [B. H. 18558-06]	Dr. D. B. Sisodiya	Dr. M. D. Suthar	Crystal Crop Protection Limited, New Delhi	Other agency	2020
52	Evaluation of RIL- 165/F1 (30% SE) against <i>Spodoptera litura</i> , <i>Helicoverpa armigera</i> , semi looper and girdle beetle infesting soybean [18558-13]	Dr. D. B. Sisodiya	Dr. C. B. Varma	Rallis India Ltd., Ahmedabad	Other agency	2021
53	Evaluation of RIL-173//F1 (22.5% SC) against sucking pests (aphid, jassid, whitefly,	Dr. R. K. Thumar	Dr. C. B. Varma	Rallis India Ltd., Ahmedabad	Other agency	2021

	thrips and mealybug) in cotton [18558-14]					
54.	Evaluation of RIL- 165/F1 (30% SE) against Spodoptera litura, Helicoverpa armigera, semi looper and girdle beetle infesting soybean [18558-13]	Dr. D. B. Sisodiya	Dr. C. B. Varma	Rallis India Ltd., Ahmedabad	Other agency	2021
55.	Evaluation of RIL-173//F1 (22.5% SC) against sucking pests (aphid, jassid, whitefly, thrips and mealybug) in cotton [18558-14]	Dr. R. K. Thumar	Dr. C. B. Varma	Rallis India Ltd., Ahmedabad	Other agency	2021
56.	Diversity of honey bee, its attractants and impact of pollination by Apis mellifera L. on the yield of bottle gourd, Lagenaria siceraria (molina) standl [18558-81]	Dr. D. B. Sisodiya	Dr. H. C. Patel	National Bee Board, New Delhi.	Other agency	2021
57	crop safety evaluation of betacyfluthrin 90g/L + Imidacloprid 210 g/L (Solomon)	Dr. D. B. Sisodiya	Dr. H. C. Patel	Bayer Crop science Limited, Indore (MP).	Other agency	2023

	on cotton crop applied through drone					
58	Diversity of honey bee, its attractants and impact of pollination by <i>Apis mellifera</i> L. on the yield of bottle gourd, <i>Lagenaria siceraria</i> (molina) standl [18558-81]	Dr. D. B. Sisodiya	Dr. H. C. Patel	National Bee Board, New Delhi.	Other agency	2021
59	Crop safety evaluation of betacyfluthrin 90g/L + Imidacloprid 210 g/L (Solomon) on cotton crop applied through drone	Dr. D. B. Sisodiya	Dr. H. C. Patel	Bayer Crop science Limited, Indore (MP).	Other agency	2023
60	Honey bee training “Mission Honey bee” (18559-53)	Dr. D. B. Sisodiya	Dr. M. D. Suthar	GOG, Gandhinagar	Plan	2023