

**PEST SITUATION OF FIELD CROPS, VEGETABLES & ORCHARDS FOR 2ND FORTNIGHT OF MARCH 2019**

DISTRICT	CROPS	No. of Spots	Area Surveyed (Acre)	Area Affected (Acre)	INSECT PEST/ DISEASE	AFFECTED LOCALITIES/ AREA IN ACRES					
						ABOVE ETL LOCALITIES	No. of Spots Above ETL (Hot Spots)	AREA IN ACRES	BELOW ETL LOCALITIES	No. of Spots Below ETL	AREA IN ACRES
Multan	Mango	39	577	444	Galls				Sher Shah, Balail, Buch, Sultan Pur, Jampur, Bhkal Bhair, Habiba Sial, 2T, 5 Faiz, Soman, Dera Arbi, Jhangi, Khakhi Panjani, Hilal Wijhay, Ghazi Pur, Khan Bela	18	200
					Scales				Sher Shah, Mirzan Pur, Mangay Hatti, Gul Muhammad Wala, Jhoke Lashkar Pur, Qadir Pur Lar, Soman, Dera Arbi, Jhangi, Bhana, Khakhi Panjani, Hilal Wijhay, Khara, Shujat Pur Shumali, Khan Bela	18	134
					Anthraxnose	Sher Shah, Pahore, Sultan Pur, Mangay Hatti, Jampur, Gul Muhammad Wala, Farid Pur, Habiba Sial, 2T, Jhoke Lashkar Pur, Qadir Pur Lar, Soman, Dera Arbi, Jhangi, Khakhi Panjani, Hilal Wijhay, Khara, Shujat Pur Shumali, Ghazi Pur, Khan Bela, Janubi Khan Bela	22	207			
					Powdery Mildew	Balail, Mangay Hatti, Gul Muhammad Wala, Habiba Sial, 2T, 5 Faiz, Soman, Jhangi, Hilal Wijhay, Shujat Pur Shumali, Janubi Khan Bela	11	147			

					Gummosis	Sher Shah, Balail, Buch, Sultan Pur, Mangay Hatti, Sarwar Shah Kot, Gul Muhammad Wala, Jhoke Lashkar Pur, 5 Faiz, Soman, Jhangi, Hilal Wijhay, Ghazi Pur, Janubi Khan Bela	16	218			
					Quick Decline	Sher Shah, Buch, Jampur, Jhoke Lashkar Pur, Soman, Jhangi, Khara, Shujat Pur Shumali	8	8 Plants			
	Citrus	23	307	217	Leaf Miner				Hamid Pur, Jampur, Jalalabad Shumali, Azam Hans, Labar, Chahan Miran Khan, Baghrain, Hilal Wijhay, Bahadar Pur Janubi	11	55
					Wither Tip	Tara Garh, Labar, 5 Faiz, 11 Faiz, 2T, Kabir Pur, Chahan Miran Khan, Hilal Wijhay	10	145			
					Gummosis	Buch, Labar, Jampur, 11 Faiz, 2T, Azam Hans, Kabir Pur, Chahan Miran Khan, Hilal Wihay	11	82			
					Slow Decline	Tara Garh, Jampur, 2T, Baghrain	5	5 Plants			
	Brinjal	5	9	1	Borer				Samu Rana	1	1
					Jassid				Samu Rana	1	1
	Chillies	10	43	0							
	Cauliflower	4	7	1	Armyworm	Jhoke Gammu	1	1			
	Okra	7	11	0							
	Pumpkin	3	4	2	Red Pumpkin Beetle				Khara	2	2

	Onion	18	85	22	Thrips				Rangeel Pur, Labar, Alamgir, Mirali Wahin, Khakhi Panjani, Saray, Khara, Chajju Shah, Mochi Punwan, Inayat Pur, Umer Pur	11	22
					Downy Mildew	Khakhi Pnaji, Chajju Shah	2	2			
	Tori	8	7	0							
	Maize	29	153	22	Stem Borer				Qasba Maral, 5 Faiz, Chadhar, Khoja, Raja Ram, Soman, Sikanderbad, Basti Dad, Shujat Pur	10	19
					Shoot Fly				Raja Ram. Khoja	2	6
	Lucern	10	19	4	Armyworm	Hamid Pur, Kotli Nijabat, Wahi Bhakkar, Basti Lang	4	4			
	Sarsoon	4	26	6	Aphid				Lar, ShahPur Ubha	2	6
	Barseem	34	57	12	Aphid				Hamid Pur, 5T, Rana Wahin, Sikanderbad, ShahMussa, Shujat Pur, Mochi Punwan, Bait Kaich	8	10
					Armyworm	Qasba Maral, Chadhar	2	2			
	Sunflower	3	31	0							
	Canola	3	6	0							
Khanewal	Barseem	181	287	18	Root Rot	75A/15L, 8B/8AR, 166/10R, 123/10R, 117/10R, Kabirwala, Moongawala, 9/8AR, 130/15L, 122/15L	10	10			
					Armyworm	64/10R, Kot Abdullah, 102/10R, 112/10R, Sarfraz pur, Kohiwala, 122/15L, 57/15L	8	8			
	Lucern	3	5	1	Armyworm	119/10R	1	1			
	Sarsoon	6	10	7	Root Rot	121/15L	1	1			
					Aphid				Sanyarywala, Bhuttakot, Narhaal, Haiderabad, Shamkot, 121/15L	6	6
	Maize	29	119	7	Shoot Fly				17/AH, 8B/8AR, Khokhran, Dinpur, 51/15L, 121/15L	6	7
	Mango	20	230	21	Galls				Makhdoompur, 151/10R, 14V, Moongawala, 108/15L, 125/15L	6	9

					Anthracnose	15/8R, Makhdoompur, 151/10R, Mankot, 14V, Syed Kabir, Kot Barkat Ali, 108/15L	8	15			
					Powdery Mildew	Makhdoom pur, Chak Haiderabad, Kot Barkat Ali	3	8			
					Malformation	Kot Abdullah, Mankot, 125/15L, 15/10R	4	4			
	Citrus	19	189	64	Psylla				Makhdoom pur, 115/10R, Moongawala, Kot barkat ali	4	18
					Leaf Miner				Kot Abdulla, Makhdoom pur, 151/10R, Chak haiderabad, Moongawala, Noori suhaag, 129/15L	7	30
					Wither Tip	Kot Abdullah, 151/10R, 115/10R, Maankot, Moongawala, Sultanabad, 129/15L, Noori suhaag	9	47			
					Citrus Canker	Makhdoom pur, 115/10R, Kot barkat ali	3	14			
	Chillies	5	6	2	Thrips	111/10R, Rahim Shah	2	2			
	Pumpkin	4	4	1	Aphid	168/10R	1	1			
	Spinach	3	2								
	Bitter Gourd	2	2								
	Cucumber	1	1								
	Bell Pepper	1	1								
	Okra	1	1								
Vehari	Okra	3	3								
	Cucumber	1	6								
	Musk Melon	2	32								
	Water Melon	2	3								
	Pumpkin	3	5								
	Chillies	8	39								
	Tendi	2	4	3	Jassid				357/EB	1	3
	Peas	6	56								
	Spinach	1	1								
	Onion	9	47	25	Thrips				449/EB	1	25
	Tori	2	16								
	Fodder	1	1								
	Brinjal	5	16	10	Jassid				Karampur, Saher, 215/EB	3	9
					Fruit Borer				Zoor Kot	1	1
	Barseem	127	194	17	Armyworm	166/WB	1	1			

					Aphid				Mahni,Karmpur,Tiba Sultan Pur, 55/WB,535/WB, 217/EB,231/EB, 35/KB, 427/EB, 449/EB,213/EB,36/KB	12	14
	Sorghum	8	8								
	Tomato	3	10	6	Aphid				439/EB	1	6
	Raya	23	76	26	Aphid				195/EB, 427/EB, Kachi Paki, Behram Wah, 13/WB	6	26
	Bitter Gourd	2	8								
	Cauliflower	1	7								
	Corriander	1	3								
	Carrot	1	1								
	Green Beans	2	2								
	Maize	29	273	61	Shoot Fly	485/EB	1	1	Amin Pur, 329/EB, 427/EB, 213/EB, 55/WB, 65/WB, 555/EB	7	60
					Stem Borer				485/EB	1	1
					Aphid				485/EB	1	1
	Gourd	1	1								
	Mango	10	306	306	Hopper				537/EB, Rukn pur, 261/EB	3	30
					Scales				Sahib Ali,199/EB,	2	251
					Galls				18/WB, ,Rukan Pur, Sahib Ali, Tiba Sultan Pur, 261/EB, 128/EB	6	246
					Anthracnose	537/EB, 18/WB, Ruknpur, Jandawala, Sahib Ali, Sultanpur, 261/EB, 199/EB, 473/EB, 128/EB	10	306			
	Citrus	13	108	108	Leaf Miner				547/EB, Sultanpur, 122/WB, 112/EB	4	34
					Fruit fly				76/WB,47/KB	2	20
					Wither Tip	547/EB, 537/EB, 166/WB,Tiba Sultan pur, 122/WB, 375/EB,413/EB,98/EB, 201/EB, 112/EB,	13	108			
Lodhran	Mango	18	258	182	Galls				Sumra, 352/WB, Jallah arrain, Masa Kotha	6	63
					Anthracnose	Dera Jand, 11/MPR, Sumra, Raja Pur, Jallah Arrain, 233/WB, 352/Wb, 293/WB, 301/WB, Masa Kotha, Jumrani Wah, Noor Shah Gillani	18	182			

					Powdery Mildew	Sumra, Jallah Arrain, 352/WB, 293/WB, Jumrani Wah.	9	91			
					Quick Decline	Sumra	2	3 Plants			
	Citrus	16	127	91	Psylla				Sumra, Kallu Wala, Arwar Wala, 233/WB, 376/WB, Jallah Arrain, Naseer Di Wahin	7	56
					Leaf Miner				Sumra, Kallu Wala, Arwar Wala, 233/WB, 376/WB, Jallah Arrain, Naseer Di Wahin, 11/MPR, Mundhali, 293/WB, 351/WB, Kehror Pacca	16	91
					Wither Tip	Sumra, Kallu Wala, Arwar Wala, 233/WB, 376/WB, Jallah Arrain, Naseer Di Wahin, 11/MPR, Mundhali, 293/WB, 351/WB, Kehror Pacca	16	91			
					Citrus Canker	Sumra, Mundhali	2	12			
	Brinjal	12	16	13	Jassid				Sandhi Wala, Muncipal Committee, Gogran, Rappar	7	7
					Whitefly				Sandhi Wala, Muncipal Committee, Gogran, Rappar, Mian Pur, 293/WB	10	10
					Borer				Gogran, Mian Pur, Jallah Arrain, 293/WB, Rappar	8	9
	Chillies	8	27	9	Aphid				Haveli Naseer Khan	1	5
					Thrips				Wahi Motan Mal	1	4
	Cucumber	10	49	49	Whitefly				Haveli Naseer Khan, Muncipal Committee, Sumra, Jhook Aaheer	6	25
					Downy Mildew	Haveli Naseer Khan, Muncipal Committee, Sumra, Jhook Aaheer, Hussain Abad	9	47			
	Gourd	1	1	1	Whitefly				Jumrani Wah	1	1
	Musk Melon	10	184	119	Leaf Miner				Haveli Naseer Khan	1	10
					Whitefly				Fareed Abad, Noqabil Wah	7	109
	Okra	3	4	3	Aphid				Haveli Naseer Khan, Thadda Taheem	2	3
					Whitefly				Haveli Naseer Khan	1	1

	Onion	27	199	199	Thrips	Shahnal, Ameer Pur Sadat	2	2	Sandhi Wala, Mundhali, Sumra, Haveli Naseer Khan,. Manjha Kotla, 293/WB, Dunya Pur, Fareed Abad, Ameer Pur Sadat, Wigha Mal, Noqabil Wah, Bahawal Garh, Ali Pur Kaniu	25	197
					Downy Mildew	Sandhi Wala, Haveli Naseer Khan, Manjha Kotla, 293/WB, Ameer Pur Sadat	6	22			
	Pumpkin	2	3	2	Whitefly				Makhdoom Aali	2	2
	Tomato	2	3	3	Whitefly				Sandhi Wala, Jumrani Wah	2	3
					Jassid				Jumrani Wah	1	1
	Water Melon	1	60	60	Leaf Miner				Haveli Naseer Khan	1	60
	Barseem	51	67	7	Armyworm	Isranwan Mari, Aaheer, malik Pur, Ismail Pur 346/WB, 13/MPR	6	7			
	Lucern	10	189	1	Armyworm	Noor Shah Gillani	1	1			
	Sunflower	4	17	17	Aphid				Jass, Ali Pur Kanju, Hamid Pur	4	17
	Maize	26	183	99	Shoot Fly				Sumra, Dera Jand , Haveli Naseer Khan, Ameer Pur Sadat Noqabil Wah	5	33
					Aphid				Gulandra , Haveli Naseer Khan, Jass, Ismail Pur Jhandeer, Goal, Ameer Pur Sadat, Ali Pur Kanju, Bahawal Garh, Din Pur, Hamid Pur	12	66
Sahiwal	Barseem	74	99	11	Aphid				71/4R, 9/11L, 120/7ER, 12/11L, 41/12L, 43/12L, 18/11L, 8/14L	8	8
					Foot Rot	70/4R, 188A/9L, 42/12L,	3	3			
	Bitter Gourd	1	1	1	Whitefly				39/12L	1	1
	Brinjal	3	2.5	0.5	Aphid				86/9L	1	0.5
	Canola	4	9	5	Aphid				105/7R	1	3
					Whitefly				39/12L	1	2
	Chillies	1	3	3	Whitefly				86/9L	1	3
	Cucumber	2	5	5	Whitefly				39/12L	2	5
	Okra	1	1	1	Aphid				Old CCI	1	1
	Onion	3	1.75								
	Peas	14	66	11	Whitefly				101/6AR, 104/7R, 1/10L, 101/7R, 138/9L	5	11
	Pumpkin	3	4	2	Whitefly				39/12L, 37/12L	2	2
	Tendi	1	3	3	Whitefly				10/11L	1	3
	Tobacco	2	0.75	0.25	Whitefly				18/WM	1	0.25

	Tomato	3	5	4	Whitefly				86/9L, old cci	2	4
	Water melon	1	3								
	Citrus	5	23	4	Leaf Miner				138/9L, 112/12L	2	2
					Wither Tip	138/9L, 112/12L, 117/12L, 13/14L	4	4			
	Mango	3	36	4	Anthracnose	13/14L	1	1			
					Powdery Mildew	8/11L	1	1			
					Malformation	138/9L	1	2			
	Guava	5	40	4	Fruit fly				138/9L, 112/7R	2	4
	Maize	41	416	10	Shoot Fly				112/12L, 86/6R, 60/5L, 104/9L, Moza Tulla bulla	5	8
					Aphid				92/6R, 86/6R	2	2
Pakpattan	Brinjal	1	1	1	Whitefly				Bunga Hayat	1	1
	Bitter Gourd	2	2								
	Chillies	5	16	3	Whitefly				65/EB	1	3
	Pumpkin	3	3	1	Whitefly				149/EB	1	1
	Peas	3	4	1	Whitefly				55/EB	1	1
	Shimla	1	1								
	Tomato	1	1								
	Tori	1	1								
	Mango	2	6	6	Anthracnose	Pati Pur, Hasan Arayin	2	6			
	Citrus	2	8	8	Wither Tip	Pati Pur, 19/EB	2	8			
	Gauva	4	10								
	Maize	50	274	15	Shoot Fly				45/EB, 59/EB, 12 Masi, 36/SP	4	15
Okara	Canola	2	2								
	Cauliflower	2	4								
	Barseem	15	67								
	Peas	2	8								
	Pumpkin	1	2								
	Citrus	9	38	14	Citrus Canker	28/2L, 21/2L, 8/D	3	14			
	Mango	9	43	4	Anthracnose	3/1R, Diya Ram	2	4			
	Gauva	9	107	5	Anthracnose	Wakeel Wala, Hujra	2	5			
	Maize	61	355								
Bahawalpur	Mango	31	345	345	Scales	-	-	-	Nushera, Tibbi Data Khan, Mehrab Wala, Tibbi Izat, Musa Khokhar, 98/DNB, 92/DNB.	11	139
					Galls	-	-	-	Rama, Nushera, Fattu Wali, Gul Dera, Tibi Data Kahn, Gulan Lar, Tibi Izat, Musa Khokhar, Tibbi Dakhwan, 40, 51/DB, 47.26.22/DNB.	15	139



					Anthracnose	Rama, Nushera, Fattu Wali, 8,13/BC, KhanqahSharif, Gul Dera, Sanjar, Kot Dadu Gallu, Kot Dadu Ghallu, Tibbi Data Khan,Gulan Lar, MehrabWala, Tibi Izat, Musa Khokhar, Tibi Dakhwan, 40,51/DB, 47,98,46,22/DNB, 147/M, Shah Pur, Aara Budh, 71,68/F.	31	345			
					Powdery Mildew	Rama, Fattu Wali, Khanqah Sharif, Kot Dadu Ghallu Mehrab Wala, Musa Khokhar, Tibbi Dakhwan	13	148			
					Malformation	Gul Dera, Sanjar, Kot Dadu Ghallu, 8/BC, 13/BC, Khanqah Sahrif, Rama, Nushera, fattu Wali.	11	100			
					Quick Decline	Khanqah Sahrif, Gul Dera, Kot Dadu Ghallu, 147/M, Shah Pur, Aara Budhu, 71,68/F.	8	14 P			
	Citrus	23	185	185	Citrus Psylla	-	-	-	Sanjar, 26/BC, Fattu Wali, Uch Mughlan, Sarwar Abad, 165, 182,187/M, 154,143/M, Badar Din, 89/F, Qaim Pur, 161/M	14	101
					Leaf Miner	-	-	-	Hout Wala, 13/BC, Fattu Wali, 138/DB, 93/DB, 39/DNB, 41/DNB, 165/M, 182,187,154/M, 143/M, Badar Din, Qaim Pur, 89/F.	20	173
					Wither Tip	Fattu Wali, Hout Wala, 26/BC, 13/BC, Rama, Sanjar, Uch Mughlan, Sarwar Abad, 138/DB, 93/DB, 39,41/DNB, 165,182,187/M, 154,143/M Badar Din, Qaim Pur, 89/F.	20	167			

					Slow Decline	165,182,187/M, 154/M	4	9			
	Ash Gourd	1	1	1	Aphid				Vislan	1	1
	Bitter Gourd	2	4	4	Whitefly				Khanqah Sharif	1	2
					Aphid				Vislan	1	2
	Brinjal	7	9	9	Fruit Borer				Dera Izat, Wahi Qadir Dina, Muhammad Bux Mahar	4	5
					Jassid				Dera Izat, Wahi Qadir Dina, Muhammad Bux Mahar, 5/DNB, Old Hasilpur.	7	9
					Whitefly				Dera Izat, Wahi Qadir Dina, Muhammad Bux Mahar, 5/DNB.	6	7
	Chillies	5	24	0	Aphid				Mehrab Wala, Old Hasilpur	2	16
	Corriander	1	1	0	Whitefly						
	Cucumber	4	15	15	Downy Mildew	Khanqah Sahrif, Mari Osim Shah, Badar Din,	4	15			
					Whitefly				Ahnmad Pur, Badar Din	2	8
	Musk Melon	5	59	59	Whitefly				Anayti, Chodia, Jamal Pur, Ahmad Pur, Hasilpur	5	59
	Onion	11	51	51	Thrips	Vislan, Chodia, Sheikh Wahin	3	33	Hout Wala, Mari Qasim Shah, Vislan, 5/BC, Wahi Qadir Dina, uhammad Bux Mahar.	8	18
	Potato	1	30	30	Jassid				Fattu Wali, Bhinda Dakhli, Vislan, Jamal Pur, Chodia, Talhar.	8	80
					Whitefly				Fattu Wali	1	30
		6	35	35	Downy Mildew	Fattu Wali	1	30	Fattu Wali	1	30
					Blight	Fattu Wali, Bhinda Dakhli, Vislan, Jamal Pur, Qutab Pur, Talhar.	9	115			
	Pumpkin	1	1	1	Aphid				Vislan	1	1
	Spinach	3	3	3	Whitefly				Bindra, 102/DB, 6/DNB	3	3
	Spong Gourd	1	1	1	Jassid	-	-	-	Wahi Qadir Dina	1	1
	Tendi	3	3	3	Whitefly				Wahi Qadir Dina	1	1
					Aphid				Old Hasilpur	2	2
					Downy Mildew	Old Hasilpur	1	1			
	Tomato	5	7	7	Whitefly				5/BC, Mehrab Wala	2	3
	Tomato				Aphid				5/BC, Wahi Qadir Dina, Muhammaf Bax Mahar	5	7

	Barseem	25	31	31	Whitefly				Bhinda Dakhli, Fattu Wali, Bindra, 24,8/BC, Derwar Wah, Khanqah Sharif, P 5/BC,, Mari Qasim Shah, 33,31,3/BC, Syed Imam Shah, Noor Pur.	14	20
					Armyworm	Ramzan Joya, Mahi Tiba, Malkani, Ghouse Pur, Badar Din	6	6			
					Aphid				Syed Imam Shah	1	1
	Lucern	2	3	2	Armyworm	26/BC, Kandi Perhar,	2	2			
	Maize	13	86	85	Aphid				Vislan, Bhinda Dakhi, Sui Vehar, Mari Qasim Shah, Badar Din.	12	84
	Oat	1	1	0							
	Sunflower	6	50	50	Aphid				Khanqah Sharif, Noor Pur Noranga,Fattu Wali, Nonari, Tibbi Izat	4	32
Bahawalnagar	Barseem	51	51	3	Aphid				Toba balchan	2	2
	Lucern	95	112	20	Aphid				Mohar sharif, Jalawala, Mehmood nagar, Jamnan Wali, Mukhdoom Kot, Jeodeka, 140/M, 207/M, 172/M, 95fateh, 8fw jeway wala, chakokas, 219/9r	14	14
					Armyworm	211fateh, 134/M, 15/G, 6fw, Chakoka, Botian wali, syed wala	7	7			
	Oats	13	15								
	Cauliflower	3	3								
	Chillies	1	1		Whitefly				Mehmood nagar	1	1
	Cucumber	3	8	5	Whitefly				8fw, 95fateh	2	4
					Downy mildew	95fateh	2	3			
	Garlic	2	2								
	Okra	3	3		Whitefly				Mehmood nagar, 167/m,	2	2
					Aphid				15/G	1	1
	onion	7	8	1	Thrips				95fateh	1	1
	Pumpkin	5	4	2	Whitefly				167/M, Miohar sharif	2	2
	Spong Gourd	2	1	1	Aphid				Julin Arain	1	1

	Strawberry	2	2		Powdery Mildew	Old ctn	2	2			
R.Y.Khan	Ash Gourd	2	4	3	Whitefly				76P,Khadali	2	3
	Bitter Gourd	1	1	1	Whitefly				Rahim Yar Khan	1	1
	Brinjal	9	15	9	Jassid				165p,Hakra,Swaitra	5	8
					Whitefly				165p,Hakra,Kachi jamal,Ali Akbar Sanghi	8	8
					Downy Mildew	Ali Akbar Sanghi	1	1			
	Cabbage	1	1	1	Jassid				Murad Pur Sial	1	1
	Cabbage				Whitefly				Murad Pur Sial	1	1
	Carrot	1	1	1	Whitefly				Allah Abad	1	1
	Cauliflower	2	2	1	Whitefly				Ali Akbar Sanghi	1	
	Chillies	9	9	7	Whitefly				17/A,18/A,,76P,Hakra ,Khanpur	7	7
	Okra				Whitefly				Ali Akbar Sanghi	1	2
					Downy Mildew	Ali Akbar Sanghi	1	2			
	Onion	14	23	12	Thrips	166p	1	1	Tranda Sway Khan,Ali Akbar Sanghi,Bandoor,165p,Khan pur.16/A,18/A,17/A	9	9
					Downy Mildew	Ali Akbar Sanghi,Bandoor,Hakra ,Khan pur	4	4			
					Virus	Tranda Sway Khan	1	1			
	Pumpkin	2	2								
	Spinach	2	2	2	Armyworm	Banddor	1	1			
					Whitefly				165p	1	1
	Sweet Pepper	1	1								
	Tomato	6	8	7	Borer				Jaja Abbasiya	1	1
					Whitefly				Tranda Sway Khan,76p,165p,	5	5
					Aphid				Tranda Sway Khan,Jaja Abasiya	2	2
					Downy Mildew	76p	1	1			
					Blight	Jaja Abbasiya	1	1			
	Barseem	123	126								
	Lucern	2									
	Sunflower	1									
	Maize	8	41								
D.G. Khan	Cauliflower	4	5	2	Whitefly				Khakhi Gharbi, Dharopla, Samina Sadat, Haider Qureshi, Aaliwala, Hazara	1	1

					Armyworm	Dharopla	1	1			
	Reddish	3	6	2	Whitefly				Pehar, Bairoon Taunsa, Gadaí Sharqi	1	1
					Jassid				Pehar, Bairoon Taunsa	1	1
	Carrot	2	4	1	Whitefly				Bairon Taunsa, Pehar	1	1
					Jassid						
	Turnip	3	6	1	Whitefly				Bolani, Zor Mah Hazara	1	1
					Jassid				Bolani, Zor Mah Hazara	1	1
	Canola	4	8	2	Aphid				Gaos Abad	2	3
	Sarsoon	4	8	2	Aphid				Pir Adil, Hazara, Khanpur Junubi	2	4
	Barseem	28	28	22	Jassid				Bairoon Taunsa, Thul Pandi, Ranjha, Makwal, Tub, Sohnra, Chapri	16	22
	Tobacco	2	4	2	Cutoworm				Basti Faoja, Khanpur Junubi	2	2
	Mango	12	63	63	Anthracnose	Khakhi, Haji Ghazi Sharki, Pakki, Malkani, Zor Mah Hazara, Ghousabad, Basti Malana, Kot Chutta	12	63			
Muzaffar Garh	Mango	43	338	192	Hopper				Khangerh, Chakumber, Thatha gurmani, Sahu, Vaince, Peero wali, Ghalwan 1st	8	66
					Scales				Mahra faraz, Bhutta pur, Pacca makhdoom, Chakumber, Mansa Ram Khas, Thatha gurmani, Sahu, Vaince, Chak kotla gamu, Peero wali, Ghalwan 1st.	19	96
					Galls				Bhutta pur, Chakumber, Mansa ram sandila, Thatha gurmani, Sahu, Vaince, Chak Kotla gamu, Murad Pur, Khannani, Ghalwan 2nd	13	62
					Anthracnose	Mahra faraz, Bhutta pur, Pacca makhdoom, Chakumber, Thatha gurmani, Sahu, Vaince, Chak Kotla Gamu, Murad pur, Peero wali, Ghalwan 1st	20	76			
					Powdery Mildew	Vaince	1	3			
					Malformation	Murad pur, Peero wali, Ghalwan 1st	4	9			

					Gummosis	Eisun wala,Vaince,Murad pur,Peero wali,Ghalwan 1st	6	20			
	Brinjal	8	10	7	Whitefly				Bhutta pur,Pattal G. Mistaqil, shaheer sultan, Ghalwan 1st	4	5
					Aphid				Pattal G. Mistaqil, Shaheer sultan	3	5
					Fruit Borer				Pattal G. Mistaqil	1	1
	Cabbage	4	4	4	Whitefly				Ghalwan 1st, Damar wala	2	2
					Aphid				DDP, Pirhar shergji	2	2
	Cauliflower	3	3	3	Whitefly				Ghalwan 1st, Khannani	3	3
					Armyworm	Khannani	1	1			
	Chillies	3	3								
	Corriander	4	5								
	Cucumber	3	3	2	Whitefly				Eisun wala, Ghalwan 1st	2	2
Rajanpur	Carrot	7	7								
	Onion	5	6	2	Thrips				Tatar Wala,Basti Ashraf Ali	2	2
	Bitter Gourd	1	1								
	Chillies	1	1	1	Whitefly				Tatar Wala	1	1
	Brinjal	1	1								
	Cucumber	1	1								
	Sabztori	1	1								
	Barseem	192	206	1	Whitefly				Patti Qazi	1	1
	Maize	23	29								
	Tobacco	11	55	28	Aphid				Ghari Sultan Shah,Kot Janu,Mullan Wala,Basti Waja	5	28
					Tobacco Mosaic Virus	Basti Waja	1	5			
	Canola	2	6	6	Aphid				Basti Nazru	2	6
	Mango	17	71	71	Anthracnose	Wang,Basti Phalli,Wang III,Kotla Azid Yar,Kotla Lundan,Kotla Noor Muhammad, Allah Abad Gharbi, Kotla Hassan Shah	17	71			
					Malformation	Wang III	1	2			
					Powdery Mildew	Wang	1	16			
Layyah	Maize	1	1								
	Sunflower	4	10								
	Lucern	47	62	12	Catterpillar				per Jugi Shareef , 156 TDA, 96 ML, 94 ML, 273 TDA, 479 TDA, 402 TDA.	7	7
					Aphid				161 ATDA, 168 TDA, 111TDA, 487 TDA, 319TDA	5	5

	Citrus	69	498	87	Leaf Miner				372 TDA, 444TDA, 363 TDA, 372 ATDA, 146 TDA, 171 TDA, 150 ATDA, 168 TDA, 162 TDA, 103 TDA,180 TDA, 98 TDA, 258TDA.	13	54
					Wither Tip	444TDA, 366TDA,146TDA,152TDA,154TDA,80TDA,98 TDA.	7	25			
					Citrus Canker	146TDA,111ML	2	8			
					Citrus Psylla				444TDA, 373TDA,174TDA,168TDA,142TDA,77TDA.108ML.258TDA.	8	33
	Chillies	7	9	5	Jassid				137 TDA,	1	1
					Virus	148ATDA	1	1			
					Whitefly				148TDA,	1	3
	Onion	7	10	1	Thrips				148ATDA	1	1
	Sugarcane	5	14	6	Borer				121TDA, 393TDA	2	6
Kasur	Berseem	10	23	1	Root Rot	Marle wala kho	-	1	1	-	-
	Canola	1	2	-	-	-	-	-	-	-	-
	Oat	5	10	-	-	-	-	-	-	-	-
	Falsa	3	14	-	-	-	-	-	-	-	-
	Arvi	1	4	-	-	-	-	-	-	-	-
	Brinjal	1	2	-	-	-	-	-	-	-	-
	Fenugreek	1	1	-	-	-	-	-	-	-	-
Lahore	Berseem	4	18	10	Berseem rot	(Rakh Burjdhare, Berhamn abad, Soya Khurd)	3	10			
	Cabbage	2	3								
	Canola	1	15								
	Chillies	1	1								
	Coriander	1	1								
	Cucumber	1	1.5								
	Fenugreek	2	3								
	Melon	3	60								
	Oat	2	5								
	Onion	1	2								
	Sugarcane	3	18								
	Sunflower	1	40								
	Tomato	3	5								
Sheikhupura (Ferozwala)	Berseem	10	32	3	Barseem Rot	Dera Karor Patti,Chak-34	2	3	-	-	-
	Chillies	1	2								
	Coriander	1	1								
	Strawberry	8	24								
	Tomato	2	3	-	Aphid				Chohra Rajpotan	1	1
Kasur	Lady Finger	1	1								
	Pea	1	2								
	Spinach	2	2								
	Bitter gourd	2	3								
	Tomato	2	2	1	Blight	Galeen athard	-	1	1	-	-

	Pumpkin	1	4	-							
Sheikhupura	Berseem	48	145	10	Stem Rot	Qilah Sharif,Jalal Pur,Kukri Pur,Kotha,Dera Bholar Wala,Maki 460,Bahuman	9	10			
	Strawberry	8	17	6	Leather Rot,Grey Mold	-	4	6			
Nankana	Grapes	1	2								
	Raddish pods	1	0.5								
	Lady Finger	2	1.25								
	Spinach	1	0.5								
	Tomato	3	5	2	Aphid				Kot Zulfiqar, 46RB	2	2
	Bitter gourd	1	4								
Chiniot	Berseem	109	182.5	28	Aphid				Tirkhanawala, Korala, 130 Jb, Mahtay, Ghagh Chowk, Mal Sipra, 250 Jb, 245 Jb, Saqib Chowk, 201 Jb, 198 Jb, Kot Qazi, 197 Jb, 199 Jb, 248 Jb, 134 Jb, 237 Jb, Chikriwala, 244 Jb	18	28
	Berseem			6.5	Leaf Miner				201 Jb, 245 Jb, Ahmedabad, Mahtay, Dawar, 221 Jb	6	6.5
	Canola	1	1						Thatha Galhotran	1	1
	Chillies	2	6								
	Coriander	2	5								
	Lucern	1	1								
	Onion	2	1.25	1.25	Thrips				209 Jb	2	1.25
	Round Gourd	1	2								
	Sugar Beat	2	17								
	Tobacco	1	0.25								
	Tomato	1	1								
	Watermelon	3	50								
Faisalabad	Bitter gourd	6	13.25	1	Aphid				145RB	1	1
	Berseem	83	129.25	11	Aphid				Chahnjrawa,53/3GB 209GB,214GB,64Jb 205RB	6	11
	Berseem			2	Foot Rot	165RB	1				2
	Berseem			2	Root Rot	40GB, 89GB	2				2
	Brinjal	2	1.5								
	Cabbage	1	5								
	Canola	3	6								
	Capsicum	1	2								
	Carrot	1	2								
	Cauliflower	6	9.5								
	Chillies	4	8.5	4	Aphid				156RB	1	4
	Coriander	2	1.5								
	Cucumber	2	7								
	Lucern	4	6	2	A.W				89GB	1	2
	Masoor	2	2								





	Berseem	238	287	1	Berseem Rot	Jhulana, Sohawa Bolani	2	1			
	Berseem			1	Aphid				Aidhal, Phalia	2	1
	Lucern	65	62								
	Tobacco	26	22								
	Bitter gourd			0.125	Mosaic Virus	Luk	1	0.125			
Attock	Arvi	1	0.4								
	Cabbage	1	0.2	0.2	Armyworm	Saman	1	0.2			
	Chinese Garlic	2	0.2								
	Coriander	5	1.43								
	Garlic	10	6.03								
	Karam Saag	2	0.21								
	Lahori Spinach	2	0.4								
	Maithi	3	0.6								
	Mint	1	0.01								
	Onion	2	0.21								
	Raddish	5	1.3								
	Red Pumpkin	4	0.51								
	Salad	2	0.07								
	Spinach	9	3.65	0.4	Jassid				Kutba	1	0.4
	Tomato	7	13.41	1.21	Leafspot	Jalaliya, Haji Shah	2	1.21			
	Turnip	5	1.9								
Chakwal	Alsi	2	0.25								
	Apple	1	1	1	Gummosis	Jhamra road	1	1			
	Banana	1	0.125								
	Beet root	1	0.125								
	Berseem	28	10.7	3.625	Aphids				Akwai, Bilalabad, Dhok sultan, Peera fatehal, Chak bhoon, Jhamra road KK, Chinji	8	3.625
	Berseem			0.125	Root Rot	Bilalabad	1	0.125			
	Bitter gourd	1	0.75								
	Brinjal	2	0.375								
	Carrot	2	0.375								
	Cauliflower	3	1.75								
	Chillies	3	1.375								
	Coriander	5	1.125								
	Cucumber	1	0.25								
	Garlic	6	1.125	0.625	Thrips				Gukh, Chak Bhoon, Jhamra road	3	0.625
	Grapes	2	0.25								
	Jaman	6	5.7								
	Loquat	2	0.25								
	Musk Melon	5	6.8								
	Melon	3	1.45								
	Raddish pods	1	2								

	Mustard	40	44.5	5.25	Aphids				Akwal, Bilalabad, Dhok Sahril, Wanhar, Malikwal, Oodherwal, Gukh, Chinji, Thoa Mehran Khan	9	5.25
	Oat	25	9.625								
	Onion	6	1.35	0.375	Thrips				Gukh, Dhalwal	2	0.375
	Peach	3	1.25	0.125	Gummosis	Thoa Mehran Khan	1	0.125			
	Peas	1	0.125								
	Pomegranate	2	0.25								
	Pumpkin	4	0.125								
	Raddish	3	0.375								
	Randi	1	0.125								
	Capsicum	2	0.625								
	Spinach	1	0.25								
	Tara Mira	19	33	1	Aphids				Lakhwal, Thaneel Kamal, Chinji	3	1
	Bitter gourd	4	2.125								
	Tomato	3	1.25								
	Sponge Gourd	2	0.25								
	Sponge Gourd	1	4								
	W. Melon	7	7.9								
Rawalpindi	Apple	6	1.3								
	Apricot	2	0.6								
	Avocado	1	0.2								
	Banana	2	0.11								
	Berseem	6	0.7								
	Bitter gourd	3	0.6								
	Brinjal	8	2								
	Cabbage	1	0.5								
	Carrot	2	0.4								
	Cauliflower	32	19.8	1.3	Aphid				Gangal, Ghazi Kohli, Dheri Shahyan	3	1.3
	Cauliflower			1.6	Armyworm	Darvaish, Jarmote, Farooq e azam	3	1.6			
	Cauliflower			1.6	Root rot	Dheri Shahyan	1	1.6			
	Chiko	1	0.01								
	Chillies	16	2.5								
	Chrysanthemum	1	0.01								
	Coriander	25	3.7								
	Cucumber	3	4.5	3	CMV	Farooq e azam	1	3			
	Date palm	1	0.01								
	Date palm	1	0.2								
	Euphorbia	1	0.1	0.1	Mosaic	Bucha	1	0.1			
	Fan Palm	1	0.01								
	Fenugreek	11	1.2								
	Fig	2	0.5								
	Garlic	42	7.8	0.3	Purple blotch	Ghazi Kohli, Farooq e azam, Jalala	3	0.3			

	Garlic			0.6	Thrips				Bhanian, Ghazi Kohli, Farooq e azam, Jalala	5	0.6
	Garlic			0.3	Snails				Gila Khurd, Dheri Shahyan	3	0.3
	Gladiolous	1	0.01								
	Bitter gourd	8	2	0.1	Downy Mildew	Farooq e azam	1	0.1			
	Bitter gourd			1	Soft rot	Bucha	1	1			
	Grapes	7	4.81								
	Kumquat	1	0.01								
	Loquat	3	0.21								
	Lucern	2	3.3								
	Melon Nursery	1	0.2								
	Mint	4	0.4								
	Mustard	10	2.5	0.1	Leaf spot	Farooq e azam	1	0.1			
	Oat	19	9.4								
	Onion	22	13.9	1.1	Thrips				Jalala, Ghazi Kohli	2	1.1
	Onion			7	Purple blotch	Gulyana, Ghazi Kohli, Farooq e azam	5	7			
	Papaya	1	0.2								
	Peach	8	5.11								
	Pear	7	1.11								
	Peas	4	8.6								
	Pensy	2	0.11								
	Persimon	1	0.2								
	Petunia	1	0.01								
	Piconut	1	0.2								
	Plum	4	1.4								
	Pomegranate	1	0.1								
	Pumpkin	12	5.7	2.7	Downy Mildew	Farooq e azam	2	2.7			
	Raddish	8	2.2								
	Rose	1	0.1								
	Round gourd	3	0.8								
	Salad	1	0.1								
	Shatala	2	0.3								
	Capsicum	3	0.3								
	Spinach	45	10.3								
	Strawberry	6	2.8								
	Bitter gourd	2	0.2								
	Tobacco	1	1								
	Tomato	4	2.4	0.2	Blight	Bucha	1	0.2			
	Tomato			2.1	Aphid				Malikabad, Canal town	2	2.1
	Turnip	16	4.7								
	Walnut	2	0.4								
	Maize	4	7.7								
	Potato	21	129.1								
Jhelum	Bitter gourd	2	0.2								
	Pumpkin	1	0.1								
	Bitter gourd	1	0.1								
	<b>TOTAL</b>	<b>4745</b>	<b>13312.06</b>	<b>4058.16</b>			<b>532</b>	<b>3195.985</b>		<b>786</b>	<b>3672.175</b>

## **GENERAL RECOMMENDATIONS**

Motivate the farmers to follow the following recommendations.

Keep fields free from weeds.

Remove all plant debris and remains of vegetables immediately after harvest.

Use suitable fungicides for the control of diseases on crops and vegetables.

The control of armyworm on different vegetables / fodders is very necessary to check its multiplication by hand picking and graze the infected leaves. For its control suitable insecticides like IGR's should be used in consultation with field staff of Pest Warning and Extension Wing.

Fallow fields should be ploughed up to destroy pupae of bollworms especially *helicoverpa* and armyworm.

For jassid control, apply imidacloprid 25 WP@ 75gm/acre or imidacloprid 200 SL@ 60ml/acre or thiamethoxam 25 WDG@ 24gm/100 LOW.

Mango orchards with heavy infection of anthracnose should be treated twice with suitable fungicides.

Orchards should be treated with suitable pesticides thrice a year for the control of insect pests and diseases i.e. before flowering, after fruit setting and harvesting.

For the control of fruit flies, keep the field neat and clean by eradicating the weeds, picking up of infested fruits and burying them properly and install pheromone (methyl eugenol) traps @ 3-5 traps /acre.