



REPORTS OF INDICATORS FOR SURVEILLANCE / ERADICATION / FRUIY FLY PROGRAM / PHITOSANITARY SUBDEPARTMENT / PLANT PROTECTION DIVISION / SAG

COUNTY: RENCA - CITY: SANTIAGO - REGION: METROPOLITAN

WEEKS / REPORTS #	05-02-19 TO 10-02-19 # 1	11-02-19 AL 17-02-19 # 2	18-02-19 TO 24-02-19 # 3	25-02-19 TO 03-03-19 # 4	04-03-19 TO 10-03-19 # 5	11-03-19 TO 17-03-19 # 6	18-03-19 TO 24-03-19 # 7	25-03-19 TO 31-03-19 # 8	01-04-19 TO 07-04-19 # 9	08-04-19 TO 14-04-19 # 10	15-04-19 TO 21-04-19 # 11	22-04-19 TO 28-04-19 # 12	29-04-19 TO 05-05-19 # 13	06-05-19 TO 12-05-19 # 14	13-05-19 TO 19-05-19 # 15	20-05-19 TO 26-05-19 # 16	27-05-19 TO 02-06-19 # 17	03-06-19 TO 09-06-19 # 18	10-06-19 TO 16-06-19 # 19	17-06-19 TO 23-06-19 # 20	24-06-19 TO 30-06-19 # 21	01-07-19 TO 07-07-19 # 22	08-07-19 TO 14-07-19 # 23
ADULTS DETECTION																							
DATE FIRST DETECTION	05/02/2019	05/02/2019	05/02/2019	05/02/2019	05/02/2019	05/02/2019	05/02/2019	05/02/2019	05/02/2019	05/02/2019	05/02/2019	05/02/2019	05/02/2019	05/02/2019	05/02/2019	05/02/2019	05/02/2019	05/02/2019	05/02/2019	05/02/2019	05/02/2019	05/02/2019	
DATE LAST DETECTION	09/02/2019	16/02/2019	23/02/2019	01/03/2019	09/03/2019	16/03/2019	23/03/2019	29/03/2019	06/04/2019	12/04/2019	18/04/2019	26/04/2019	04/05/2019	11/05/2019	17/05/2019	22/05/2019	22/05/2019	22/05/2019	22/05/2019	22/05/2019	22/05/2019	22/05/2019	
N° TOTAL DETECTIONS	163	298	439	626	749	870	893	906	914	944	962	985	1015	1033	1055	1057	1057	1057	1057	1057	1057	1057	
N° WEEK SINCE LAST DETECTION	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	3	4	5	6	7
N° OF TRAPS AT WORKING AREA	777	1488	2100	2504	2614	2664	2646	2646	2646	2744	2626	2939	3004	3343	3437	3521	3558	3572	3577	3607	3611	3614	
N° OF TRAPS INFESTION	557	1623	2869	2643	7141	13985	17486	21115	2869	29094	32950	36891	40922	45368	50502	55618	60456	65849	69912	74733	79424	84098	
INSPECTION FREQUENCY	TWICE A WEEK	TWICE A WEEK	TWICE A WEEK	TWICE A WEEK	TWICE A WEEK	TWICE A WEEK	TWICE A WEEK	TWICE A WEEK	TWICE A WEEK	TWICE A WEEK	TWICE A WEEK	TWICE A WEEK	TWICE A WEEK	TWICE A WEEK	TWICE A WEEK	TWICE A WEEK	TWICE A WEEK	TWICE A WEEK	TWICE A WEEK	TWICE A WEEK	TWICE A WEEK	TWICE A WEEK	
DETECTION OF INMATURE STAGE																							
FIRST LARVAL FOCI	05/02/2019	05/02/2019	05/02/2019	05/02/2019	05/02/2019	05/02/2019	05/02/2019	05/02/2019	05/02/2019	05/02/2019	05/02/2019	05/02/2019	05/02/2019	05/02/2019	05/02/2019	05/02/2019	05/02/2019	05/02/2019	05/02/2019	05/02/2019	05/02/2019	05/02/2019	
LAST LARVAL FOCI	09/02/2019	15/02/2019	23/02/2019	27/02/2019	05/03/2019	05/03/2019	23/03/2019	30/03/2019	06/04/2019	06/04/2019	18/04/2019	25/04/2019	25/04/2019	25/04/2019	25/04/2019	20/05/2019	20/05/2019	20/05/2019	20/05/2019	20/05/2019	20/05/2019	20/05/2019	
N° OF DETECTED LARVAL FOCI	21	38	51	53	54	54	68	74	80	80	81	84	84	84	85	85	85	85	85	85	85	85	
N° OF WEEKS SINCE LAST LARVAL FOCI	0	0	0	0	1	2	0	0	0	1	0	0	1	2	3	0	1	2	3	4	5	6	7
N° OF PLACES VISITED	393	3423	8456	14059	18012	23193	28140	33679	34575	39131	41434	47885	54270	59900	66906	73893	78948	86364	90347	99781	105805	111155	
N° OF PLACES WITH FRUIT SAMPLES	84	684	1906	3144	4370	4830	5806	6848	7263	8381	8789	9870	10828	11813	13089	14408	15312	16661	20611	22074	23030	23328	
N° FRUIT SAMPLE ANALYZED	110	3.013	4.313	11.706	15.870	18.981	22.583	25.896	29.891	34.610	37.241	41.376	44.396	48.684	53.709	58.168	64.324	70.119	74.855	78.997	82.203	83.378	
N° OF FRUIT UNITS ANALYZED	1698	37159	50451	136765	179555	261391	303444	343073	409878	461964	493031	540206	571054	617964	672412	724419	777578	828851	867985	897194	920865	931079	
N° FRUIT KILOS ANALYZED	59 Kg	980.5 Kg	1534 Kg	4091 Kg	5658 Kg	6915 Kg	8172 Kg	9399 Kg	10793 Kg	12474 Kg	13425 Kg	15148 Kg	16410 Kg	18498 Kg	20937 Kg	23231 Kg	26895 Kg	29466 Kg	31713 Kg	33223 Kg	34449 Kg	35027 Kg	
N° FRUIT SPECIES ANALYZED	16	37	49	53	56	58	64	66	70	72	72	76	78	83	83	84	85	85	86	88	89	89	
UNITS OF INFESTED FRUIT	58	159	535	537	538	538	561	572	591	591	599	603	603	603	603	604	604	604	604	604	604	604	
ACCUMULATIVE INFESTION PERCENTAGE (1)	3,4	0,4	1	1	0,3	0,2	0,18	0,16	0,14	0,14	0,12	0,11	0,1	0,09	0,08	0,07	0,07	0,07	0,06	0,06	0,06	0,06	
N° OF FRUIT SPECIES INFESTED	3	4	5	5	5	5	7	7	8	8	8	8	8	8	8	8	8	8	8	8	8	8	
CONTROL FOR INMATURE STAGES AND ADULTS																							
LITERS OF INSECTICIDE APPLIED (SUCCESS -GF/120)	511	1.155	2.566	7.538	10.884	14.247	18.162	21.437	21.437	26.727	27.531	28.680	29.492	31.127	32.890	34.107	34.566	35.916	36.658	36.658	36.658	36.658	
N° OF PLACES WITH SOIL TREATMENT	2	31	135	408	576	802	1040	1355	1796	2152	2457	3026	3370	3892	4629	5318	5930	6851	7234	8028	8715	9155	
SQUARE MTS2 OF SOIL TREATMENT	100	1.131	3.400	9.141	12.909	17.899	24.001	24.271	30.927	37.211	41.849	49.189	63.951	70.545	81.207	88.947	98.278	109.003	113.534	124.238	130.137	131.552	
LITERS OF DZN APPLIED	1.500	12.455	37.742	81.965	136.099	193.685	271.074	273.704	365.320	444.938	512.743	617.320	684.061	777.011	914.957	1.028.394	1.164.574	1.331.121	1.402.645	1.553.809	1.629.925	1.649.631	
KILOS OF FRUIT STRIPPED	782	4.697	8.179	14.907	21.632	38.636	54.161	56.882	73.711	75.102	83.479	93.296	98.993	111.240	146.432	153.665	163.124	170.377	174.388	179.572	183.155	185.524	
N° OF FRUIT SPECIES STRIPPED	7	20	30	47	48	54	59	63	64	66	68	68	70	72	74	75	76	77	78	79	80	81	
CYCLE ESTIMATION BASED AT SUMMATORY DAYS DEGRESS																							
FIRST CYCLE	14,21 D°	6,4 D°	16,48 D°	11,6 D°	3,9 D°	3,38 D°	12,74 D°	8,59 D°	13,83 D°	6,94 D°	24,69 D°	24,13 D°	13,8 D°	11,11 D°	8,60 D°	12,31 D°	28,81 D°	62,56 D°	74,55 D°	90,48 D°	90,48 D°	101,24 D°	
SECOND CYCLE																							
THIRD CYCLE																							

(1):Units of fruit infested versus units of fruit analyzed



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COUNTY: RENCA - CITY: SANTIAGO - REGION: METROPOLITAN

ITEMS /WORKS	WEEKS / REPORTS #		29-07-19 TO	05-08-19 TO	12-08-19 TO	19-08-19 TO	26-08-19 TO	02-09-19 TO	09-09-19 TO	16-09-19 TO	23-09-19 TO	30-09-19 TO	07-10-19 TO	14-10-19 TO	21-10-19 TO	28-10-19 TO	04-11-19 TO	11-11-19 TO	18-11-19 TO	25-11-19 TO	02-12-19 TO 08-	09-12-19 TO 15-	16-12-19 TO 22-	
	15-07-19 TO	22-07-19 TO	04-08-19 # 26	11-08-19 # 27	18-08-19 # 28	25-08-19 # 29	01-09-19 # 30	08-09-19 # 31	15-09-19 # 32	22-09-19 # 33	29-09-19 # 34	06-10-19 # 35	13-10-19 # 36	20-10-19 # 37	27-10-19 # 38	03-11-19 # 39	10-11-19 # 40	17-11-19 # 41	24-11-19 # 42	01-12-19 # 43	12-19 # 44	19-19 # 45	26-19 # 46	
ADULTS DETECTION																								
DATE FIRST DETECTION	05/02/2019	05/02/2019	05/02/2019	05/02/2019	05/02/2019	05/02/2019	05/02/2019	05/02/2019	05/02/2019	05/02/2019	05/02/2019	05/02/2019	05/02/2019	05/02/2019	05/02/2019	05/02/2019	05/02/2019	05/02/2019	05/02/2019	05/02/2019	05/02/2019	05/02/2019	05/02/2019	
DATE LAST DETECTION	22/05/2019	22/05/2019	22/05/2019	22/05/2019	22/05/2019	22/05/2019	22/05/2019	22/05/2019	22/05/2019	22/05/2019	22/05/2019	22/05/2019	22/05/2019	22/05/2019	22/05/2019	22/05/2019	22/05/2019	22/05/2019	22/05/2019	22/05/2019	22/05/2019	22/05/2019	22/05/2019	
N° TOTAL DETECTIONS	1057	1057	1057	1057	1057	1057	1057	1057	1057	1057	1057	1057	1057	1057	1057	1057	1057	1057	1057	1057	1057	1057	1057	
N° WEEK SINCE LAST DETECTION	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
N° OF TRAPS AT WORKING AREA	3617	3617	3621	3621	3630	3630	3630	3651	3651	3651	3653	3657	3774	3656	3754	3274	3103	3094	3103	3150	3150	3150	3150	
N° OF TRAPS INSPECTION	91664	95909	100321	104586	108237	112895	117816	122813	127374	129693	134482	137492	140895	144061	148522	151372	154023	156383	158553	161206	163829	165365		
INSPECTION FREQUENCY	TWICE A WEEK	TWICE A WEEK	TWICE A WEEK	TWICE A WEEK	TWICE A WEEK	TWICE A WEEK	TWICE A WEEK	TWICE A WEEK	TWICE A WEEK	TWICE A WEEK	TWICE A WEEK	TWICE A WEEK	TWICE A WEEK	TWICE A WEEK	TWICE A WEEK	TWICE A WEEK	TWICE A WEEK	TWICE A WEEK	TWICE A WEEK	TWICE A WEEK	TWICE A WEEK	TWICE A WEEK	TWICE A WEEK	
DETECTION OF INMATURE STAGE																								
FIRST LARVAL FOCI	05/02/2019	05/02/2019	05/02/2019	05/02/2019	05/02/2019	05/02/2019	05/02/2019	05/02/2019	05/02/2019	05/02/2019	05/02/2019	05/02/2019	05/02/2019	05/02/2019	05/02/2019	05/02/2019	05/02/2019	05/02/2019	05/02/2019	05/02/2019	05/02/2019	05/02/2019		
LAST LARVAL FOCI	19/07/2019	19/07/2019	19/07/2019	19/07/2019	19/07/2019	19/07/2019	19/07/2019	19/07/2019	19/07/2019	19/07/2019	19/07/2019	19/07/2019	19/07/2019	19/07/2019	19/07/2019	19/07/2019	19/07/2019	19/07/2019	19/07/2019	19/07/2019	19/07/2019	19/07/2019		
N° OF DETECTED LARVAL FOCIS	86	86	86	86	86	86	86	86	86	86	86	86	86	86	86	86	86	86	86	86	86	86	86	
N° OF WEEKS SINCE LAST LARVAL FOCI	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21		
N° OF PLACES VISITED	113456	116607	120011	120968	122805	125918	127715	129458	131393	131548	135198	137433	141321	145154	145154	145154	148337	150686	154072	158110	161906	165395	168295	
N° OF PLACES WITH FRUIT SAMPLES	24387	24848	25182	25240	25391	25642	25812	25979	26097	26106	26343	26517	26767	27014	27014	27014	27200	27401	27807	28319	28604	28834		
N° FRUIT SAMPLE ANALYZED	88.402	91.861	94.718	95.134	95.615	96.681	97.678	98.181	98.672	98.787	99.328	99.682	100.319	101.413	101.491	101.491	102.016	102.435	103.126	103.564	104.315	104.824	105.425	
N° OF FRUIT UNITS ANALYZED	987618	1019065	1043890	1047793	1051708	1060278	1068103	1071914	1075545	1076399	1079933	1082953	1087884	1101273	1102197	1102197	1114355	1119796	1132500	1141186	1153545	1160961	1173631	
N° FRUIT KILOS ANALYZED	37712	39659	41269	41524	41808	42381	42943	43191	43458	43524	43785	43940	44277	44828	44867	45019	45215	45427	45549	45803	45977	46207		
N° FRUIT SPECIES ANALYZED	89	89	89	89	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90		
UNITS OF INFESTED FRUIT	605	605	605	605	605	605	605	605	605	605	605	605	605	605	605	605	605	605	605	605	605	605	605	
ACCUMULATIVE INFECTION PERCENTAGE (1)	0,06	0,05	0,05	0,05	0,05	0,05	0,05	0,05	0,05	0,05	0,05	0,05	0,05	0,05	0,05	0,05	0,05	0,05	0,05	0,05	0,05	0,06	0,06	
N° OF FRUIT SPECIES INFESTED	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	
CONTROL FOR INMATURE STAGES AND ADULTS																								
LITERS OF INSECTICIDE APPLIED (SUCCESS -GF/120)	36.658	36.658	36.658	36.658	36.658	36.658	36.658	36.658	36.658	36.658	36.658	36.658	36.658	36.658	36.658	36.658	36.658	36.658	36.658	36.658	36.658	36.658	36.658	
N° OF PLACES WITH SOIL TREATMENT	10267	10749	11851	12860	13445	14703	15942	17106	18281	18646	18909	18983	18985	18985	18985	18985	18985	18985	18985	18985	18985	18985	18985	
SQUARE MTS2 OF SOIL TREATMENT	134.634	136.523	138.780	140.777	142.492	144.668	146.338	147.809	148.944	149.339	149.440	149.687	149.915	149.915	149.915	149.915	149.915	149.915	149.915	149.915	149.915	149.915	149.915	
LITERS OF DZN APPLIED	1.694.927	1.726.367	1.755.143	1.783.943	1.812.748	1.845.948	1.873.053	1.896.793	1.914.883	1.919.773	1.921.283	1.925.083	1.928.633	1.928.633	1.928.633	1.928.633	1.928.633	1.928.633	1.928.633	1.928.633	1.928.633	1.928.633	1.928.633	
KILOS OF FRUIT STRIPPED	190.595	193.010	194.732	197.662	199.611	202.358	204.766	208.530	211.096	211.940	214.649	215.962	216.892	219.003	219.003	219.003	219.343	219.439	219.957	220.301	220.301	220.301	220.301	
N° OF FRUIT SPECIES STRIPPED	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	97	98	99	100	101	102	102		
CYCLE ESTIMATION BASED AT SUMMATORY DAYS DEGRESS																								
FIRST CYCLE	4,49 D°	13,92 D°	47,73 D°	57,58 D°	80,41 D°	125,39 D°	178,4 D°	219,76 D°	250,33 D°	289,41 D°	336,98 D° PLUS 1 DAY OVIPOSITION	336,98 D° PLUS 8 DAYS OVIPOSITION	336,98 D° PLUS 10 DAYS OVIPOSITION											
SECOND CYCLE													50,78 D°	99,96 D°	168,82 D°	235,04 D°	317,45 D°	343,87 D° PLUS 5 DAYS OVIPOSITION						
THIRD CYCLE																			90,58 D°	173,09 D°	271,72 D°	326,8 D°	326,8 D° PLUS 10 DAYS OVIPOSITION	

(1).Units of fruit infested versus units of fruit analyzed