



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

COUNTY: LOS ANDES - PROVINCE: LOS ANDES - REGION: VALPARAÍSO

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WEEKS / REPORTS #	09-02-2023 TO 12-02-2023 #1	13-02-2023 TO 19-02-2023 #2	20-02-2023 TO 26-02-2023 #3	27-02-2023 TO 05-03-2023 #4	06-03-2023 TO 12-03-2023 #5	13-03-2023 TO 19-03-2023 #6	20-03-2023 TO 26-03-2023 #7	27-03-2023 TO 02-04-2023 #8	03-04-2023 TO 09-04-2023 #9	10-04-2023 TO 16-04-2023 #10	17-04-2023 TO 23-04-2023 #11	24-04-2023 TO 30-04-2023 #12	01-05-2023 TO 07-05-2023 #13
ITEMS /WORKS													
ADULTS DETECTION													
DATE FIRST DETECTION	9/2/2023	9/2/2023	9/2/2023	9/2/2023	9/2/2023	9/2/2023	9/2/2023	9/2/2023	9/2/2023	9/2/2023	9/2/2023	9/2/2023	9/2/2023
DATE LAST DETECTION	12/2/2023	16/2/2023	24/2/2023	3/3/2023	7/3/2023	17/3/2023	24/3/2023	31/3/2023	6/4/2023	14/4/2023	21/4/2023	28/4/2023	5/5/2023
N° TOTAL DETECTIONS	30	57	113	156	171	270	338	398	473	506	536	584	617
N° WEEK SINCE LAST DETECTION	0	0	0	0	0	0	0	0	0	0	0	0	0
N° OF TRAPS AT WORKING AREA	405	438	457	457	535	535	535	535	535	569	595	619	624
N° OF TRAPS INSPECTION	161	694	1007	1595	2294	2810	3522	4240	4958	5950	6876	7898	8891
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
DETECTION OF INMATURE STAGE													
FIRST LARVAL FOCI	11/2/2023	11/2/2023	11/2/2023	11/2/2023	11/2/2023	11/2/2023	11/2/2023	11/2/2023	11/2/2023	11/2/2023	11/2/2023	11/2/2023	11/2/2023
LAST LARVAL FOCI	12/2/2023	18/2/2023	25/2/2023	28/2/2023	11/3/2023	16/3/2023	24/3/2023	30/3/2023	5/4/2023	13/4/2023	19/4/2023	28/4/2023	6/5/2023
N° OF DETECTED LARVAL FOCI	8	24	44	48	49	52	54	59	64	69	74	77	83
N° OF WEEKS SINCE LAST LARVAL FOCI	0	0	0	0	0	0	0	0	0	0	0	0	0
N° OF PLACES VISITED	57	145	160	442	750	1050	1300	1430	1822	2124	2383	2697	2985
Nº OF PLACES WITH FRUIT SAMPLES	32	67	81	186	328	450	525	570	661	739	811	857	943
N° FRUIT SAMPLE ANALYZED	177	522	1064	1472	2340	2918	3235	3527	3897	4172	4546	4724	5123
Nº OF FRUIT UNITS ANALYZED	1673	6323	14549	16894	21999	25316	26784	28452	29923	31776	33942	35051	36852
N° FRUIT KILOS ANALYZED	57,03	287,01	787,1	942,5	1252,6	1459	1576	1692	1792	1981	2171	2245	2369
N° FRUIT SPECIES ANALYZED	22	22	26	27	27	28	28	28	28	28	28	28	28
UNITS OF INFESTED FRUIT	8	29	58	60	63	64	66	74	91	128	141	144	150
ACCUMULATIVE INFECTION PERCENTAGE (1)	0,48	0,46	0,40	0,36	0,29	0,25	0,25	0,26	0,30	0,40	0,42	0,41	0,41
N° OF FRUIT SPECIES INFESTED	3	6	6	6	6	6	6	6	6	6	6	6	8
CONTROL FOR INMATURE STAGES AND ADULTS													
LITERS OF INSECTICIDE APPLIED (SUCCESS -GF/120)	24	230	252	292	418	448	528	538	568	648	648	688	688
N° OF PLACES WITH SOIL TREATMENT	3	16	16	30	39	39	48	77	81	87	105	117	125
SQUARE MTS2 OF SOIL TREATMENT	95	334	92313	213118	324368	386204	387460	388620	389801	391462	393076	394530	396165
LITERS OF DZN APPLIED	1100	3650	28700	43600	61940	92340	110890	130120	149879	174820	199430	217030	238680
KILOS OF FRUIT STRIPPED	1025	5880	13264	20920	23935	23311	27800	149254	149814	380220	385611	389812	391595
N° OF FRUIT SPECIES STRIPPED	9	11	14	16	16	23	24	24	24	24	24	29	29
CYCLE ESTIMATION BASED AT SUMMATORY DAYS DEGRESS													
FIRST CYCLE	0°D	16,58°D	12,1°D	46,99°D	87,69°D	45,47°D	44,93°D	42,95°D	52,7°D	20,67°D	23,92°D	18,34°D	7,05°D
SECOND CYCLE													
THIRD CYCLE													

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



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WEEKS / REPORTS #	08-05-2023 TO 14-05-2023 #14	15-05-2023 TO 21-05-2023 #15	22-05-2023 TO 28-05-2023 #16	29-05-2023 TO 04-06-2023 #17	05-06-2023 TO 11-06-2023 #18	12-06-2023 TO 18-06-2023 #19	19-06-2023 TO 25-06-2023 #20	26-06-2023 TO 02-07-2023 #21	03-07-2023 TO 09-07-2023 #22	10-07-2023 TO 16-07-2023 #23	17-07-2023 TO 23-07-2023 #24	24-07-2023 TO 30-07-2023 #25	31-07-2023 TO 06-08-2023 #26
ITEMS /WORKS													
ADULTS DETECTION													
DATE FIRST DETECTION	9/2/2023	9/2/2023	9/2/2023	9/2/2023	9/2/2023	9/2/2023	9/2/2023	9/2/2023	9/2/2023	9/2/2023	9/2/2023	9/2/2023	9/2/2023
DATE LAST DETECTION	5/5/2023	16/5/2023	23/5/2023	2/6/2023	9/6/2023	16/6/2023	20/6/2023	28/6/2023	5/7/2023	11/7/2023	21/7/2023	28/7/2023	1/8/2023
N° TOTAL DETECTIONS	617	670	727	851	876	895	902	906	909	911	921	926	934
N° WEEK SINCE LAST DETECTION	0	0	0	0	0	0	0	0	0	0	0	0	0
N° OF TRAPS AT WORKING AREA	704	715	831	1101	1114	1188	1204	1219	1249	1348	1467	1609	1534
N° OF TRAPS INPECTION	9853	10837	11967	27449	29469	31630	33825	36051	38337	40772	41021	43973	49166
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
DETECTION OF INMATURE STAGE													
FIRST LARVAL FOCI	11/2/2023	11/2/2023	11/2/2023	11/2/2023	11/2/2023	11/2/2023	11/2/2023	11/2/2023	11/2/2023	11/2/2023	11/2/2023	11/2/2023	11/2/2023
LAST LARVAL FOCI	12/5/2023	19/5/2023	22/5/2023	31/5/2023	9/6/2023	16/6/2023	20/6/2023	1/7/2023	7/7/2023	11/7/2023	21/7/2023	25/7/2023	25/7/2023
N° OF DETECTED LARVAL FOCIS	86	92	102	128	133	145	147	150	156	158	159	160	160
N° OF WEEKS SINCE LAST LARVAL FOCI	0	0	0	0	0	0	0	0	0	0	0	0	1
N° OF PLACES VISITED	3250	3474	3901	35256	44.704	49.134	51.673	56.347	60.630	67.119	69.459	73.242	74.928
Nº OF PLACES WITH FRUIT SAMPLES	1082	1121	1229	5247	6.454	7.050	7.356	7.921	8.558	8.923	9.282	9.778	10.060
N° FRUIT SAMPLE ANALYZED	5816	6251	6890	18057	23.595	25.420	26.297	28.223	29.638	31.141	34.270	37.405	40.099
Nº OF FRUIT UNITS ANALYZED	39472	42292	46311	123346	149.119	163.693	171.300	190.659	208.136	223.395	249.825	295.829	344.026
N° FRUIT KILOS ANALYZED	2639	2778	3053	7083	8.635	9.477	9.964	11.289	12.566	13.618	16.067	17.554	18.589
N° FRUIT SPECIES ANALYZED	28	31	31	31	32	32	32	32	35	35	35	35	35
UNITS OF INFESTED FRUIT	150	161	174	234	238	264	267	272	281	287	289	291	291
ACCUMULATIVE INFECTION PERCENTAGE (1)	0,38	0,38	0,38	0,19	0,16	0,16	0,16	0,14	0,14	0,13	0,12	0,10	0,08
N° OF FRUIT SPECIES INFESTED	8	8	8	8	9	9	9	9	9	9	9	9	9
CONTROL FOR INMATURE STAGES AND ADULTS													
LITERS OF INSECTICIDE APPLIED (SUCCESS -GF/120)	728	802	857	1487	1509	1619	1663	1747	1767	1847	1947	2147	2307
N° OF PLACES WITH SOIL TREATMENT	141	161	170	1737	1776	1972	2166	2318	2464	2647	2821	3112	3289
SQUARE MTS2 OF SOIL TREATMENT	398731	401642	404468	425920	428941	434599	440135	446642	454323	461298	469528	485475	501512
LITERS OF DZN APPLIED	280180	330480	366630	629195	676215	748545	814005	901260	1003310	1082465	1181880	1311010	1439580
KILOS OF FRUIT STRIPPED	393817	397362	399650	466788	468927	473512	478184	487295	491874	497239	503334	510961	515842
N° OF FRUIT SPECIES STRIPPED	29	29	29	29	29	29	29	29	29	29	29	29	29
CYCLE ESTIMATION BASED AT SUMMATORY DAYS DEGRESS													
FIRST CYCLE	35,92°D	9,46°D	22,21°D	22,5°D	9,36°D	18,61°D	22,85°D	8,13°D	5,26°D	15,51°D	1,89°D	26,41°D	48,12°D
SECOND CYCLE													
THIRD CYCLE													

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



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WEEKS / REPORTS #	07-08-2023 TO 13-08-2023 #27	14-08-2023 TO 20-08-2023 #28	21-08-2023 TO 27-08-2023 #29	28-08-2023 TO 03-09-2023 #30
ITEMS /WORKS				
ADULTS DETECTION				
DATE FIRST DETECTION	9/2/2023	9/2/2023	9/2/2023	9/2/2023
DATE LAST DETECTION	1/8/2023	1/8/2023	1/8/2023	1/8/2023
N° TOTAL DETECTIONS	934	934	934	934
N° WEEK SINCE LAST DETECTION	1	2	3	4
N° OF TRAPS AT WORKING AREA	1541	1542	1674	1680
N° OF TRAPS INPECTION	52001	54837	56457	59510
INSPECTION FREQUENCY	TWICE A WEEK	TWICE A WEEK	TWICE A WEEK	TWICE A WEEK
DETECTION OF IMMATURE STAGE				
FIRST LARVAL FOCI	11/2/2023	11/2/2023	11/2/2023	11/2/2023
LAST LARVAL FOCI	9/8/2023	9/8/2023	9/8/2023	9/8/2023
N° OF DETECTED LARVAL FOCIS	162	162	162	162
N° OF WEEKS SINCE LAST LARVAL FOCI	0	1	2	3
N° OF PLACES VISITED	78.158	81.320	84.548	89.022
Nº OF PLACES WITH FRUIT SAMPLES	10.394	10.660	10.938	11.352
N° FRUIT SAMPLE ANALYZED	41.734	42.906	43.910	45.608
Nº OF FRUIT UNITS ANALYZED	356.815	366.631	374.657	389.315
N° FRUIT KILOS ANALYZED	19	20.135	20.671	21.873
N° FRUIT SPECIES ANALYZED	35	35	35	35
UNITS OF INFESTED FRUIT	301	301	301	301
ACCUMULATIVE INFECTION PERCENTAGE (1)	0,08	0,08	0,08	0,08
N° OF FRUIT SPECIES INFESTED	9	9	9	9
CONTROL FOR IMMATURE STAGES AND ADULTS				
LITERS OF INSECTICIDE APPLIED (SUCCESS -GF/120)	2347	2447	2567	2727
N° OF PLACES WITH SOIL TREATMENT	3640	3892	4037	4456
SQUARE MTS2 OF SOIL TREATMENT	507447	515172	522267	535763
LITERS OF DZN APPLIED	1523410	1627171	1709292	1840979
KILOS OF FRUIT STRIPPED	519335	524958	527465	533761
N° OF FRUIT SPECIES STRIPPED	32	32	32	32
CYCLE ESTIMATION BASED AT SUMMATORY DAYS DEGRESS				
FIRST CYCLE	23,37°D	49,95°D	69,06°D	104,27°D
SECOND CYCLE				
THIRD CYCLE				

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