



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

**COUNTY: COPIAPÓ - CITY: COPIAPÓ - REGION: ATACAMA**

WEEKS / REPORTS #	04-07-22 TO 10-07-22 # 1	11-07-22 TO 17-07-22 # 2	18-07-22 TO 24-07-22 # 3	25-07-22 TO 31-07-22 # 4	01-08-22 TO 07-08-22 # 5	08-08-22 TO 14-08-22 # 6	15-08-22 TO 21-08-22 # 7	22-08-22 TO 28-08-22 # 8	29-08-22 TO 04-09-22 # 9	05-09-22 TO 11-09-22 # 10	12-09-22 TO 18-09-22 # 11	19-09-22 TO 25-09-22 # 12	26-09-22 TO 02-10-22 # 13
<b>ITEMS /WORKS</b>													
<b>ADULTS DETECTION</b>													
DATE FIRST DETECTION	19-05-2022	19-05-2022	19-05-2022	19-05-2022	19-05-2022	19-05-2022	19-05-2022	19-05-2022	19-05-2022	19-05-2022	19-05-2022	19-05-2022	19-05-2022
DATE LAST DETECTION	07-07-2022	13-07-2022	13-07-2022	13-07-2022	13-07-2022	13-07-2022	13-07-2022	13-07-2022	13-07-2022	13-07-2022	13-07-2022	13-07-2022	13-07-2022
N° TOTAL DETECTIONS	2	4	4	4	4	4	4	4	4	4	4	4	4
N° WEEK SINCE LAST DETECTION	0	0	1	2	3	4	5	6	7	8	9	10	11
N° OF TRAPS AT WORKING AREA	569	858	927	927	927	937	951	951	951	951	951	951	951
N° OF TRAPS INSPECTION	4264	5766	7305	9048	10123	12498	14205	15991	17785	19576	21334	22271	23218
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	ONCE A WEEK	ONCE A WEEK
<b>DETECTION OF IMMATURE STAGE</b>													
FIRST LARVAL FOCI	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
LAST LARVAL FOCI	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
N° OF DETECTED LARVAL FOCIS	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
N° OF WEEKS SINCE LAST LARVAL FOCI	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
N° OF PLACES VISITED	711	1304	2141	2231	2613	2818	3174	3950	4236	4392	4537	4696	4749
N° OF PLACES WITH FRUIT SAMPLES	28	47	92	101	126	135	149	169	191	207	223	247	263
N° FRUIT SAMPLE ANALYZED	38	71	120	146	160	226	253	266	313	363	391	446	495
N° OF FRUIT UNITS ANALYZED	256	1534	2926	3257	3357	4105	4211	4331	4517	4763	4873	5070	5277
N° FRUIT KILOS ANALYZED	8,673	13,72	29,03	36,27	42,78	105,883	109,005	110,224	113,199	117,559	119,235	123,1485	124,8535
N° FRUIT SPECIES ANALYZED	11	23	27	28	28	36	37	37	38	39	39	41	41
UNITS OF INFESTED FRUIT	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
ACCUMULATIVE INFECTION PERCENTAGE (1)	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
N° OF FRUIT SPECIES INFESTED	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
<b>CONTROL FOR IMMATURE STAGES AND ADULTS</b>													
LITERS OF INSECTICIDE APPLIED (SUCCESS -GF/120)	.....	.....	101,3	131	141	160	177	193	209	230	247	265	282
N° OF PLACES WITH SOIL TREATMENT	.....	.....	1	9	14	22	27	30	33	33	33	33	33
SQUARE MTS2 OF SOIL TREATMENT	.....	.....	51	143	201	282	369	389	390	390	390	390	390
LITERS OF DZN APPLIED	.....	.....	700	2200	3250	4560	5770	6330	6593	6593	6743	6843	6943
KILOS OF FRUIT STRIPPED	.....	.....	7,4	143	570,5	814	943	1150	2179	2179	1669	1719	1769
N° OF FRUIT SPECIES STRIPPED	.....	.....	7	17	26	38	43	49	52	54	55	56	57
<b>CYCLE ESTIMATION BASED AT SUMMATORY DAYS DEGRESS</b>													
FIRST CYCLE	21,73°D	13,22°D	29,27°D	59,02°D	94,3°D	141,12°D	176,2°D	215,897°D	264,83°D	332,19 °D PLUS 2 ADULT DAYS	332,19 °D PLUS 9 ADULT DAYS	332,19 °D PLUS 10 ADULT DAYS	
SECOND CYCLE	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	45,42°D	100,75°D
THIRD CYCLE	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....

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

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WEEKS / REPORTS #	03-10-22 TO 09-10-22 # 14	10-10-22 TO 16-10-22 # 15	17-10-22 TO 23-10-22 # 16	24-10-22 TO 30-10-22 # 17	31-10-22 TO 06-11-22 # 18	07-11-22 TO 13-11-22 # 19	14-11-22 TO 20-11-22 # 20	21-11-22 TO 27-11-22 # 21	28-11-22 TO 04-12-22 # 22	05-12-22 TO 11-12-22 # 23	12-12-22 TO 18-12-22 # 24	19-12-22 TO 25-12-22 # 25	26-12-22 TO 01-01-23 # 26
<b>ITEMS /WORKS</b>													
<b>ADULTS DETECTION</b>													
DATE FIRST DETECTION	19-05-2022	19-05-2022	19-05-2022	19-05-2022	19-05-2022	19-05-2022	19-05-2022	19-05-2022	19-05-2022	19-05-2022	19-05-2022	19-05-2022	19-05-2022
DATE LAST DETECTION	13-07-2022	13-07-2022	13-07-2022	13-07-2022	13-07-2022	13-07-2022	14-11-2022	14-11-2022	14-11-2022	14-11-2022	17-12-2022	24-12-2022	31-12-2022
N° TOTAL DETECTIONS	4	4	4	4	4	4	6	6	6	6	33	50	72
N° WEEK SINCE LAST DETECTION	12	13	14	15	16	17	0	1	2	3	0	0	0
N° OF TRAPS AT WORKING AREA	951	951	951	951	951	951	951	760	760	743	1086	1142	1142
N° OF TRAPS INPECTION	24167	25116	26064	27015	27963	28914	29858	30730	31637	33088	34194	35515	37605
INSPECTION FREQUENCY	ONCE A WEEK	ONCE A WEEK	ONCE A WEEK	ONCE A WEEK	ONCE A WEEK	ONCE A WEEK	TWICE A WEEK	TWICE A WEEK	TWICE A WEEK	TWICE A WEEK	TWICE A WEEK	TWICE A WEEK	TWICE A WEEK
<b>DETECTION OF IMMATURE STAGE</b>													
FIRST LARVAL FOCI	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	23-12-2022	23-12-2022
LAST LARVAL FOCI	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	23-12-2022	23-12-2022
N° OF DETECTED LARVAL FOCIS	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	1
N° OF WEEKS SINCE LAST LARVAL FOCI	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	0	1
N° OF PLACES VISITED	4825	4934	5233	5442	5702	5761	5761	5905	6160	6357	6581	6694	7109
Nº OF PLACES WITH FRUIT SAMPLES	272	288	322	337	362	377	377	393	412	425	474	500	524
N° FRUIT SAMPLE ANALYZED	507	541	578	609	610	629	633	644	687	694	852	878	943
Nº OF FRUIT UNITS ANALYZED	5309	5484	5590	5683	5703	5749	5755	5755	5964	5993	8020	9139	10442
N° FRUIT KILOS ANALYZED	125,7435	126,9635	128,2535	129,1335	129,7195	130,1495	130,1795	130,1795	133,1175	133,3475	162,93	181,415	196,77
N° FRUIT SPECIES ANALYZED	41	41	41	42	42	42	42	43	46	46	50	50	51
UNITS OF INFESTED FRUIT	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	1
ACCUMULATIVE INFECTION PERCENTAGE (1)	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	0,01	0,01
N° OF FRUIT SPECIES INFESTED	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	1
<b>CONTROL FOR IMMATURE STAGES AND ADULTS</b>													
LITERS OF INSECTICIDE APPLIED (SUCCESS -GF/120)	300	319	335	350	350	350	372	384	396	411	444,5	538	571
N° OF PLACES WITH SOIL TREATMENT	33	33	33	33	33	33	33	33	33	34	36	38	41
SQUARE MTS2 OF SOIL TREATMENT	390	390	390	390	390	390	390	390	390	404	422	3162	4682
LITERS OF DZN APPLIED	6943	6943	6943	6943	6943	6943	6943	6943	7443	8243	8943	12243	18243
KILOS OF FRUIT STRIPPED	1769	1769	1769	1769	1769	1769	1769	1769	2016	2366	3166	3376	3481
N° OF FRUIT SPECIES STRIPPED	57	57	57	57	57	57	57	57	57	57	57	57	57
<b>CYCLE ESTIMATION BASED AT SUMMATORY DAYS DEGRESS</b>													
FIRST CYCLE													
SECOND CYCLE	169,13°D	266,54°D	330,42°D PLUS 3 ADULT DAYS	330,42°D PLUS 5 ADULT DAYS			84,42°D	103,15°D	332,78°D	332,78°D PLUS 5 ADULT DAYS	0°D	0°D	0°D
THIRD CYCLE	.....	.....	.....	49,17°D	121,79°D	212,5°D				14,45°D			

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



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WEEKS / REPORTS #	02-01-23 TO 08-01-23 # 27
ITEMS /WORKS	
<b>ADULTS DETECTION</b>	
DATE FIRST DETECTION	19-05-2022
DATE LAST DETECTION	07-01-2023
N° TOTAL DETECTIONS	80
N° WEEK SINCE LAST DETECTION	0
N° OF TRAPS AT WORKING AREA	1142
N° OF TRAPS INPECTION	39675
INSPECTION FRECUENCY	TWICE A WEEK
<b>DETECTION OF INMATURE STAGE</b>	
FIRST LARVAL FOCI	23-12-2022
LAST LARVAL FOCI	06-01-2023
N° OF DETECTED LARVAL FOCIS	3
N° OF WEEKS SINCE LAST LARVAL FOCI	0
N° OF PLACES VISITED	7564
Nº OF PLACES WITH FRUIT SAMPLES	572
N° FRUIT SAMPLE ANALYZED	1109
Nº OF FRUIT UNITS ANALYZED	11649
N° FRUIT KILOS ANALYZED	225,668
N° FRUIT SPECIES ANALYZED	51
UNITS OF INFESTED FRUIT	71
ACCUMULATIVE INFECTION PERCENTAGE (1)	0,6
N° OF FRUIT SPECIES INFESTED	1
<b>CONTROL FOR INMATURE STAGES AND ADULTS</b>	
LITERS OF INSECTICIDE APPLIED (SUCCESS -GF/120)	591
N° OF PLACES WITH SOIL TREATMENT	43
SQUARE MTS2 OF SOIL TREATMENT	5432
LITERS OF DZN APPLIED	29243
KILOS OF FRUIT STRIPPED	3831
N° OF FRUIT SPECIES STRIPPED	57
<b>CYCLE ESTIMATION BASED AT SUMMATORY DAYS DEGRESS</b>	
FIRST CYCLE	
SECOND CYCLE	0°D
THIRD CYCLE	

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