

CARE

CHILE

Bdo. vera y Pintado 2567 C Santiago
Teléfonos 493950 C 493961
Dirección Postal C Casilla 16449
Correo 9
Cables C CARECHIL

SCHOOL GARDEN PROGRAM

FINAL REPORT

July 1980

INTRODUCTION

The School Garden Program has completed its first year of operation with many of its objectives achieved and many tasks to complete for next year. In all areas, except family gardening, it has grown beyond our original projections. At times, in fact, its rapid and sometimes spontaneous growth has hindered CARE's ability to supervise and evaluate its progress.

As we begin our second and final year of participation in the Garden Program, CARE plans to consolidate the gains made this year so that the program will be able to continue successfully without our support. Important gains have already been made in this direction such as the official approval of the curriculum and the creation of Inter-Ministerial Committees in most Regions. We hope next year to work even more closely with the Ministry of Interior to institutionalize these committees and establish guidelines for program implementation and evaluation.

PROGRAM OBJECTIVES

1. To Purchase Seeds, Fertilizers, Materials, Tools and Equipment for 1,100 Schools and Community Gardens

Purchases for the program have now been completed, and all funds disbursed. Tools, seeds and fertilizers were purchased for an additional 500 schools, bringing the total number of schools supplied with equipment to 1,170. These supplies have now been delivered to schools in all but the IV Region.

In addition to these basic purchases, materials have been purchased for 19 greenhouses. These greenhouses which are

CARE

CHILE

Bdo. vera y Pintado 2567 ☉ Santiago
Teléfonos 493950 ☉ 493961
Dirección Postal ☉ Casilla 16449
Correo 9
Cables ☉ CARECHIL

- 2 -

now completed or under construction will supply seedlings to schools and income to the Regions participating in the Garden Program to help them attain self sufficiency.

Pumps and materials have also been purchased to install irrigation facilities in six communities, including three windmills for the IV Region. The communities involved will contribute labor and materials for holding tanks and CARE has chosen areas in which the facilities will serve community as well as school garden needs.

Three communities in the IV Region and three communities in the VI Region will benefit from this aspect of the program and materials for family gardens will be distributed to the participating communities.

Small animal funds have been expended for beekeeping and rabbit raising. The IV and VI Regions have concentrated on beekeeping. The X Region is combining both activities. Most of these Regions have been able to obtain specialized training in these activities drawing upon scholarship funds from the National Employment and Training Service (SNCE) or the Ministry of Education and own technical personnel. The IX Region has also obtained support from the Ministry of Interior to train and employ minimum employment plan working in construction of beehives.

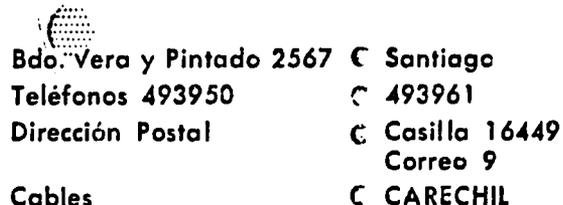
The educational materials budget was used to provide each school in the program with a specially commissioned horticulture manual, as available possibilities were over simplified manuals for family gardens or extremely technical university textbooks.

Most organic fertilizer funds were used to purchase manure. Some funds were expended on materials for the construction of compost bins. They will be constructed primarily in the VI Region where the Peace Corps has placed 6 volunteers with the Garden Program who have received training in organic composting methods.



CARE

CHILE



Bdo. Vera y Pintado 2567 C Santiago
Teléfonos 493950 C 493961
Dirección Postal C Casilla 16449
Correo 9
Cables C CARECHIL

- 3 -

2. To Prepare a National School Curriculum in Collaboration with the Ministry of Education

The Ministry of Education has completed its curriculum study and published an official decree stating that all participating schools will use those hours officially designated for technical and manual training to teach gardening (approximately 3 hours per week per grade). This decree ensures that agriculture must be officially incorporated into study plans for each school and that the courses will come under the regular and controlled supervision of the Ministry of Education.

3. To Initiate a Teacher Training Program with the Ministry of Education

In addition to the 1,165 scholarships officially assigned by SNCE to the Garden Program for calendar year 1980, the VI, IX and X Regions have been able to obtain more scholarships from SNCE at regional level. Because of the difficulties involved in interrupting teaching activities, some classes planned earlier will be held during winter vacation (July 11-27). The VIII Region, which was the slowest in initiating training courses has now completed training for 80 teachers in horticulture and 60 teachers in beekeeping. CARE estimates that as of July 30, 1980, 1,375 scholarships have been awarded and that during the rest of the year 600 more teachers will be given additional specialized training. SNCE's contribution to the program has far surpassed our original expectations.

4. To Establish School/Family Garden Committees as Sub-Committees of the PTA Organizations in each Participating School

All Regions have now began to work through the committees in the majority of communities with school gardens. In some areas it has been more practical to work through neighborhood organizations or mother's clubs which, although not directly tied to the schools, receive organizational and financial support from the Ministry of Interior through the Mayor's office.


CARE**CHILE**
Bdo. Vera y Pint do 2567 C Santiago
Teléfonos 49391) C 493961
Dirección Postal C Casilla 16449
Correo 9
Cables C CARECHIL

- 4 -

5. To Carry Out Training Programs for Student and Family Members

Though it has not been possible to supply thousands of families with the lengthy and costly training courses given for teachers, SNCE is contributing some funds towards training and other families will be trained through cooperation with the Ministry of Health as community organizations. During this year, SNCE will provide scholarships to approximately 880 families and 3,670 families will be given technical assistance and/or training through the Ministry of Health and community and professional organizations.

6. To Provide Students with Sufficient Seeds, Fertilizer, Tools and Equipment to plant their Home Gardens Upon Successful Completion of the Gardening Courses.

Seeds and fertilizers have been distributed formally to families receiving training and technical assistance and informally through schools to approximately five families in each participating community.

7. To Assist in Planning and Utilization of Food Produced in the Gardens

Each Region is now beginning to plan gardens using increasingly sophisticated criteria: in some Regions planting can be related to the school year so as to avoid summer maintenance problems; the Ministry of Agriculture is helping to select crops which are economically productive and the X Region is planning to alter its school calendar in order to synchronize gardening and academic activities.

The Garden Program is still encountering difficulty in combining garden produce with canned rations. Some schools have been able to solicit funds for seasoning and cooking fuel from parents groups; some areas are receiving funds from municipal and regional governments and some are simply selecting crops that can be consumed raw. If none of these solutions are possible, the produce is delivered directly to needy children for home consumption.


CARE

CHILE


Bdo. Vera y Pintado 2567 C Santiago
Teléfonos 493950 C 493961
Dirección Postal C Casilla 16449
Correo 9
Cables C CARECHIL

- 5 -

8. Evaluation Methods

The Intendencia of the VI Region is now compiling data from an extensive survey of all schools in the Region, including harvest data, utilization of produce, implementation of the curriculum and degree of community participation in support of the school or in home gardening. CARE had hoped to be able to include this report, which although restricted to one Region, will provide an accurate and independent evaluation of the program with our final report.

CARE will also begin working with SNECE to evaluate the effectiveness of the training courses and the Ministry of Education can begin to evaluate the program academically now that the curriculum has been officially approved.

Only one Region, the VI, has been able to accurately determine the value of the harvest and number of rations produced by the gardens. This Region had initiated the program before CARE became involved and was, therefore, better able to go beyond simply initiating gardens and agricultural study.

The production figures for the VI Region from July to December are as follows:

Chards	8,500 bunches
Garlic	113,080 heads
Artichokes	2,500
Peas	6,500 kgs
Onions	105,000
Lima beans	16,500 kgs
Lettuce	48,000 heads
Radishes	3,000 bunches
Cabbage	23,800
Carrot	4,350 bunches
Squash	26,530
Oranges/lemon	1,020 kgs
Avocados	2,500
Apples	12,050
Grapes	2,800 kgs

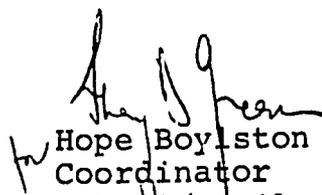
CARE

CHILE

Bdo. Vera y Pintado 2567 ☉ Santiago
Teléfonos 493950 ☉ 493961
Dirección Postal ☉ Casilla 16449
Correo 9
Cables ☉ CARECHIL

- 6 -

This produce was valued at US\$ 31,446.15, slightly greater than the amount allocated to the Region for a full year. The Region estimates that 14,000 children were able to consume 80 rations of fruit and vegetables during this period. Since much of the produce was harvested after December 31, the actual harvest for the twelve month period was considerably greater.


Hope Boylston
Coordinator
School/Family Gardens

July 28, 1980.

CARE School/Family Garden Program Estimated Material and Equipment
Purchases 5/21/79 thru 8/21/79

<u>Item</u>	<u>#Units</u>	<u>\$Each</u>	<u>Total</u>
Pitchforks	1200	3.57	\$4,284
Shovels	1200	3.87	4,644
Hoes (6&8")	1200	3.90	4,688
Hoes with Pics	1200	3.94	4,728
Rakes	1200	3.00	3,600
Hammers	600	3.57	2,142
Saws	600	4.63	2,778
Pruning Shears	600	10.85	6,510
Wheelbarrows	350	47.51	14,878
Fumigation Sprayer	50	72.00	4,250
Sub-Total			52,000
Inflation and Contingencies			(10,000)
Seed			10,000
Fertilizer			7,000
Greenhouse Materials			10,000
Small Animals			5,000
Irrigation Pumps			4,000
Educational Materials			2,000
Sub-Total			38,000
TOTAL			100,000