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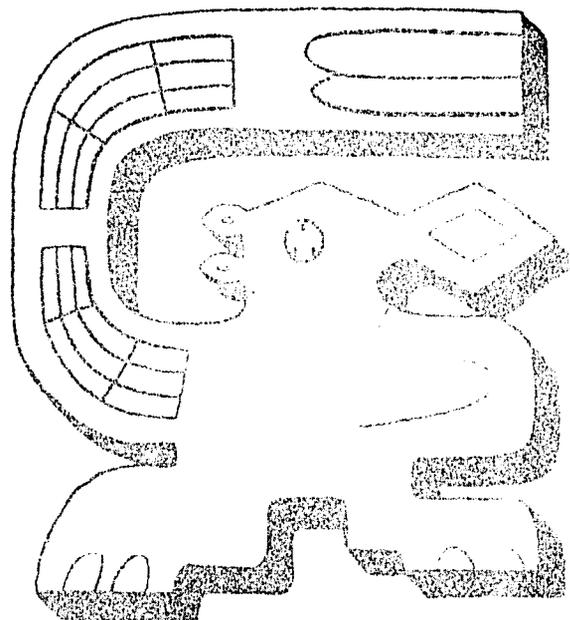
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**Minifundia in Agrarian Reform:
A Colombian Example**

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Minifundia in Agrarian Reform: A Colombian Example†

By DALE W ADAMS * and SAM SCHULMAN **

METHODS USED for correcting the problems of small farm units (*minifundia*) in Europe have proven inadequate in Latin America.¹ Attempts to remedy these problems have been frustrated partially because of the heterogeneity of the small farm units found in Latin America; the term *minifundia* covers a number of distinct types of units whose characteristics, problems and possibilities for solution are very different. Moreover, many of the *minifundia* in Latin America differ substantially from those found in Europe. On the basis of several functional characteristics, we go on to suggest a typology for classifying *minifundia* in Latin America so that remedial alternatives can be more easily identified. From this classification we select one type, the dependent, for further discussion. By the use of a Colombian example, we describe the socioeconomic characteristics of several prominent forms of dependent *minifundia* and relate these characteristics to some of the remedial alternatives.

Types of Minifundia

In a broad sense the term *minifundia* has been used in Latin America to describe small farms which are often inequitable to meet the life-sustaining needs of the families who exploit them. Generically, small farms with less than three to five hectares of land are usually classified as *minifundia*.² Large numbers

of these types of units can be encountered in almost every part of Latin America. In Colombia, for example, over one-half of all the farm units have less than three hectares of land.³ A number of these *minifundia* concentrations are located close to urban centers but others are quite isolated. In some instances the *minifundia* essentially function as production units while others are mainly places of residence. Occupants of *minifundia* may be highly dependent on income earned from labor on nearby large landholdings; others are employed in urban areas or engaged in some type of home industry. In a few areas these small farm units are made up of a num-

† This paper results from research carried out by the Land Tenure Center, University of Wisconsin with the cooperation of the *Centro Interamericano de Reforma Agraria*. The research was sponsored by the Agency for International Development and the Organization of American States. The views herein expressed do not necessarily reflect those of the above mentioned agencies.

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¹ The most commonly suggested solutions for *minifundia* problems, drawing from the European experience, include, parcel consolidation, laws which prohibit sub-division of small parcels and out-migration programs.

² One hectare equals 2.47 acres.

³ Departamento Administrativo Nacional de Estadística (DANE), *Directorio Nacional de Explotaciones Agropecuarias (Censo Agropecuario) 1960, Resumen Nacional (Segunda Parte)* (Bogotá, Colombia: Multilith Estadinal, 1964), p. 39.

ber of fragmented parcels, in others they contain only one or two lots. The decay of the indigenous communal systems in some areas has left heavy concentrations of minifundia whose occupants are closely tied to tradition. Other minifundia families have close contact with urban centers, adopt change rapidly, and are less tied to their land. There is also a wide range of tenure arrangements among these small farm operators. Some own the land in fee simple, others have mixed tenure systems, others have a group title, or no title, and still others operate the land as tenants. There is, therefore, not a single minifundia problem but rather a complex of problems which vary widely from case to case.

In Colombia it is useful to identify three general types of minifundia on the basis of the following criteria: (1) the basic motivation involved in the operation of the unit, (2) the relation of production decisions to the market, and (3) the over-all occupational structure of the family which occupies the unit.⁴ Using these criteria the first type of small unit which can be identified is the independent minifundia. On these units most of the family's labor supply is devoted to the direct exploitation of the small farm; production decisions are principally oriented by direct consumption needs rather than market conditions. Large landholdings seldom affect the labor patterns associated with this type of minifundia, and off-farm employment is not an important factor. In Colombia these small farm units tend to be concentrated in parts of the Departments of Nariño, Boyacá and Cundinamarca.⁵

The second type is the commercial minifundia. These units also absorb much of the family's labor supply but most production decisions are closely tied to market conditions and not to

direct consumption needs. Small units of this type are located throughout Colombia but tend to be concentrated in the coffee regions, the tobacco areas, and in the margin around the large cities where truck garden farms are common.⁶ In a few cases, especially with regard to truck gardens, income from farm production on these units may be relatively high.

The third type of minifundia is the dependent—and it is generally the most complex. These units are distinguished by the fact that a substantial part of the family's income is derived from off-unit employment; examples of these can be found throughout Colombia. The dependent minifundia is of special interest because of its complex characteristics and the difficulties of applying remedial alternatives through agrarian reform programs. It is often useful to sub-divide the dependent minifundia into at least three

⁴ For another three-way classification of minifundia see, Thomas F. Carroll, "Reflexiones sobre la Distribución del Ingreso y la Inversión Agrícola," *Temas del BID*, August 1964, p. 33. His classification is briefly: (1) those small units which could be viable with some additional land; (2) those units which could be made viable with some other key input; and (3) those small units which cannot be made viable with their present resource base.

⁵ For descriptions of several independent minifundia areas see, L. E. Montero and D. W. Adams, *Algunas Consideraciones sobre Reforma Agraria en Regiones de Minifundio: Un Ejemplo Colombiano* (Bogotá, Colombia: Centro Interamericano de Reforma Agraria, 1965); and A. Pearse and S. Rivera, *Tenza, Boyacá: Un Estudio de un Área de Minifundio, Estudio Técnico No. 4* (Bogotá, Colombia: Facultad de Sociología, Universidad Nacional, 1967).

⁶ For examples of commercial minifundia see, A. E. Havens, *Támesis: Estructura y Cambio* (Bogotá, Colombia: Tercer Mundo, 1966); D. W. Adams and L. E. Montero, "Land Parcelization in Agrarian Reform: A Colombian Example," *Inter-American Economic Affairs*, Winter 1965; and D. W. Adams, et al., *Supervised Credit in Colombia's Agrarian Reform: An Evaluative Study* (Bogotá, Colombia: Centro Interamericano de Reforma Agraria, 1966).

distinct sub-types. The first sub-type is made up of residence clusters around urban centers and of people living in urban centers who operate small agricultural plots outside of town. These holdings are generically minifundia since they are small and located in rural areas. Functionally, however, the plots are principally places of residence for people employed in the urban center or they serve as garden plots for those living in town. The income generated from these parcels is generally only a small part of the operator's total earnings.

A second sub-type of the dependent minifundia is the small exploitations located either nearby or on a large landholding. Typically, these units are somewhat removed from the large urban centers. The small units are usually farms and occupants derive some of the family's necessities from the farm. The operators cannot, however, exist without income derived from work on nearby large farms. The occupant may or may not own the unit and he is essentially a farm laborer on someone else's exploitation.⁷

The third sub-type is a mixed form of dependent minifundia. It embraces some of the characteristics of the two sub-types mentioned above. It is not adjacent to but may be relatively near an urban center. It often includes definable areas of minifundia concentration where production for home consumption plus some commercial crops are grown. A majority of the income for the occupants, nevertheless, comes from day labor on large holdings, from work in the urban centers, or artisanal activities in the village or in the home itself.⁸

From a socio-economic point-of-view the dependent minifundia are probably the most provocative for study. In many cases they are numerically superior to the other two types. Also, they often rep-

resent both a form of residence and "making-a-living" in transition: displacing rural characteristics by those more nearly urban or mixing the two in an often unhappy combination. The various sub-types of dependent minifundia also present difficulties for any orthodox plan of resolving problems through an agrarian reform program. Although some areas contain mostly one sub-type of dependent minifundia it is not uncommon to find all three sub-types in one area. Such an area is found around the village of Sopó, located in the valley of the Teusacá River about 25 miles northeast of Bogotá, Colombia. The minifundia found in this area illustrate the complexity of the problems faced and also indicate the limitations associated with some of the most often discussed remedial approaches for minifundia.

Background on Sopó

Many of the problems which presently exist in the community of Sopó are deeply rooted in events which have taken place over the past four hundred years. When the Spanish under Gonzalo Jiménez de Quesada conquered the Chibcha Indians in 1538 there were three small Indian villages located in the Sopó Valley.⁹ In short order the Sopó Indians were

⁷ For an example of this type of dependent minifundia see, A. E. Havens, et al., *Cereté Un Area de Latifundio: Estudio Económico y Social, Informe Técnico No. 3* (Bogotá, Colombia: Facultad de Sociología, Universidad Nacional, 1965).

⁸ For two studies done in areas with mixed dependent minifundia see, Orlando Fals Borda, *Peasant Society in the Colombian Andes: A Sociological Study of Saucito* (Gainesville, Florida: University of Florida Press, 1955); and A. Pearse, *Factores Sociales que Inciden en el Desarrollo Económico de La Hoya del Rio Subachoque* (Bogotá, Colombia: Facultad de Sociología, Universidad Nacional, 1963).

⁹ Enrique Ortega Ricaurte, *San Salvador de Sopó* (Bogotá, Colombia: Imprenta Nacional, 1935), p. 32.

organized into an *encomienda* and one of the soldiers of Jiménez de Quesada was placed in charge.¹⁰ Fragmentary evidence suggests that about 400 Indians inhabited the area at this time. Most of the land in the flat part of the valley was soon given to the conquerors in the form of land grants and the Indians were squeezed to the sides of the Valley. With the Indian labor furnished through the *encomiendas* these large land grants were exploited and gradually expanded. Sometime before 1600 the areas on which the Indians settled were recognized as reserves whose lands belonged to the Indians.

By the time of Independence in 1819 much of the good land in Sopó was owned by a Spanish priest who fled after the Spaniards were defeated. His large farm (*hacienda*) was given intact to General Francisco de Paula Santander, a later president of the country, for services rendered during the fight for Independence.¹¹ From the period of Independence to 1938 the population of Sopó was stable at about 2,500 inhabitants. There was, however, a substantial amount of sub-division of the large landholdings during this period. In 1935 there were some 34 major haciendas located in the Valley and most of these were owned by people living at least part of the time in Bogotá.¹² Most of the 438 rural families enumerated in the 1938 *Population Census* were working on these large landholdings and/or worked their small holdings along the edge of the Valley. Cereals, corn, and livestock were the principal enterprises on the large units; wheat, potatoes, corn, and broadbeans (*habas*) were the major crops on the small units.

In several respects, sharp changes have taken place in Sopó over the past thirty years. The population, for example, has

increased from 2,700 in 1938 to 4,200 in 1964. About 85 per cent of this population growth has taken place since 1951. There has been an addition of about 300 residents in the small village and an increase of about 1,200 rural residents during the 1938 to 1964 period.¹³ Many of the latter have settled down as tenant-workers on the large haciendas in the Valley. The development of some light industry in the town such as a milk processing plant partially explains the urban growth. The increase in the rural population has been due to some immigration because of violence in other areas and to intensification in the utilization of the agricultural lands which has required more hand labor.

About one-third of the flat agricultural land in Sopó has been placed into mechanized production of wheat and barley. Over 60 tractors were being used in 1960 on this land. Much of the remaining flat land supported more than 6,000 head of cattle, many of which were improved dairy breeds.¹⁴ The proximity of Bogotá, plus the nearby milk processing plant, provide a growing market for Sopó's dairy products.

Other conditions in Sopó have changed less or not at all. As noted in Table I, of the 34 haciendas found in the Valley in 1935, twenty-nine of these still had

¹⁰ Guillermo Hernández Rodríguez, *De Los Chibchas a la Colonia y a la República* (Bogotá, Colombia: Sección de Extensión Cultural, Universidad Nacional de Colombia, 1949), p. 184. The *encomienda* was a method of granting the right to the use of Indian labor to privileged individuals.

¹¹ Ortega Ricarte, *op. cit.*, p. 65.

¹² *Ibid.*, pp. 14-17.

¹³ The population data cited in this section came from the 1938, 1951 and 1964 Population Censuses of Colombia.

¹⁴ *Censo Agropecuario, op. cit.*

TABLE I — SIZE OF RURAL LANDHOLDINGS BY RESIDENTS AND NON-RESIDENTS OF SOPÓ, CUNDINAMARCA: 1964*

Amount of total landholding (hectares)	Owners living in Sopó		Owners living outside Sopó		Total		
	No.	Has.	No.	Has.	No.	Has.	%
No Information					32	96	1
Less than 1.1	170	76	42	20	212	96	1
1.1 — 3.0	150	266	29	56	179	322	3
3.1 — 5.0	56	221	9	34	65	255	2
5.1 — 10.0	56	461	15	110	71	571	5
10.1 — 50.0	65	1,259	42	1,012	107	2,301	21
50.1 — 100.0	8	607	16	1,137	24	1,744	16
100.1 — 500.0	6	737	22	3,889	28	4,626	41
500.1 — 1,000.0	—	—	—	—	—	—	—
1,000.1 — or more	—	—	1	1,173	1	1,173	10
Totals	511	3,627	176	7,461	719	11,181	100

* These data were adapted from the 1964 property tax records for the *Municipio* of Sopó. Entries by parcels of land in the tax record were first combined into landholding units; some owners had more than ten parcels listed on the tax records. Next, several local informants helped determine which of these owners were local residents and which lived outside of the local area.

more than 100 hectares of land in 1964. The remaining five had been substantially fractionated during this period. Although there has been some shrinking in the size of the other large units over the past 30 years, about one-half of the farm land in the valley and along the sides of the hills was held in units of 100 hectares or more. It can also be noted in Table I that 176 of the 719 rural property owners in Sopó lived outside of the valley, mostly in Bogotá. These absentee owners hold title to over two-thirds of the land in the Valley and to about 75 per cent of the flat fertile part. Concrete historical information is lacking but one gets the impression that, in spite of a substantial reduction in the size dimension of the holdings in Sopó, there has been relatively little change in the proportion of land owned by absentee owners over the years. Large landholdings which have been divided through inheritance or commercial sale have gone into hands of relatives or individuals who live outside the Valley.

The Dependent Minifundia in Sopó. As noted in Table I there were about 450 rural landholdings in Sopó which totaled five hectares or less. About 80 of the owners of these lived outside of the Valley and a few of the remaining rented their lands to larger operators. There were, then, approximately three hundred owner-operators of minifundia units in Sopó. In addition, however, there were about 150 families who lived and worked on the larger units and who had use-rights to small parcels of land within the haciendas. Counting these, a total of about 450 minifundia units could be identified in Sopó.

As mentioned earlier, for a general classification we have called these minifundia in Sopó the dependent type because of the importance of off-unit occupations among the operators. Only a handful of small farm operators in the area had intensive truck garden farms that could be identified as commercial minifundia. Almost none of the independent type minifundia units were

present in the area. A series of detailed studies in the Valley showed that all three sub-types of dependent minifundia discussed above can be identified in Sopó.

The Mixed Dependent Minifundia. The most easily identified group of small farm units in Sopó is the approximately 200 units with houses which are located on the sides of the Valley, mainly in two zones, which once made up the Indian reservations. About one-half of the families living in these two areas depend on agricultural production and/or work on other farms for their principal means of livelihood. Another one-quarter of the families are dependent on some sort of craft work for their main source of income. The remaining one-quarter are employed in the local village or other urban centers. In a few cases elderly parents live in these minifundia areas but rely upon income furnished by their grown children to maintain themselves.

As could be expected from first impressions, about 80 per cent of the families living in these areas were operating less than three hectares of land. Most of these had only one parcel. Of the remaining 20 per cent, however, several had over 20 hectares of land which included up to four parcels. Only about 15 per cent of the small farm units included nonowner operated lands. Share rentals and special family arrangements made up most of these relationships.

Except for the few residents in these minifundia areas who operated relatively large units, the minifundia only provided a small portion of the family's income. Only six of these small units produced sales of more than 50 dollars worth of products during 1964. Wheat and corn were the principal commodities sold. Most of the producers of wheat were using commercial fertilizers and

improved varieties of wheat. A handful of these small units had cattle and only about one-third had several head of sheep. Few of these families could borrow the equivalent of one hundred dollars per year for production credit and less than 20 per cent, mostly the large farm operator, made regular use of any kind of production credit. Over 40 per cent of the operators of these small units were over 50 years of age. It appears that the out-migration process has been age, education, and health selective; many of the young, healthy, and fairly well educated people have left the area for Bogotá.

The Minifundia Associated with the Urban Areas. There are about 100 families that live in the village of Sopó or on the outskirts of town who own small plots of land in the rural area. This is about one-third of the families living in the village. A few additional operators of large units also live in the village. Most of the holders of small plots own less than two hectares of land made up of one or two parcels. A wide diversity of principal occupations was found among these owners. Almost all of the small landowners who lived in the town had major sources of income outside of their exploitation. Many ran small shops, worked in public office or acted as middleman for agricultural commodities. Still others had small home industries and a few depended on employment in the rural area for supplemental income.

In some respects the urban residents in Sopó who operate small farms resemble the large absentee landowners who own land in Sopó but live in Bogotá. That is, they only spend a small portion of their time making decisions about the farm exploitation and their principal interests are focused on other economic

activities. A number of these farm owners had inherited their small parcels after they were well established in other occupations. Still others purchased the small plots with savings in order to have a more secure investment.

Minifundia Associated with Large Units. As mentioned earlier, there are about 150 families who live and work on the large commercial farms in the flat part of the Valley. As part of their wages many of these families are given a small plot with about one hectare of land for subsistence crops, and a home. Some of the largest haciendas in the Valley have up to 15 families living on the farm. One of the workers is usually the *mayordomo* who makes the day-to-day decisions. On the units which have tractors and trucks, several of the workers are occupied as drivers. The rest of the workers are used as unskilled labor in planting, harvesting, milking, and general upkeep of the farm.

Except for the drivers and the *mayordomo* the salaries for these workers averaged about one dollar per day in 1964. In some cases where a dairy herd occupied the farm the workers were also given a few dairy products regularly. The *mayordomo* and drivers were generally paid about twice the amount given to the common laborers. In a few cases the *mayordomos* were also allowed to have a couple of cattle on their small parcel but in general the common workers had no more than several chickens.

Very few of the workers had more than two years of formal education. A number of them had moved into Sopó from other areas in order to obtain employment. A few of them were landless families or small farm operators who lived along the sides of the Valley but who could not find employment opportunities in urban

areas. With few exceptions the occupants of these small units had spent their entire adult lives as agricultural laborers. Because almost all of the production on their small parcels of land was for home consumption they had little or no experience with making decisions about commercial agricultural production. Furthermore, the occupants of these small units seldom owned any kind of farming tools; they were completely dependent upon the large landowners for these implements.

In many respects Colombia has a rather complete labor code which is aimed at regulating the working conditions for these farm laborers. This includes a minimum wage, severance pay based on length of service, annual vacation and bonuses, extra pay for work done on Sundays and holidays and medical benefits. In most cases the permanent workers on the large commercial farms in Sopó would be eligible for these benefits. Aside from occasional gratuities given to these workers in Sopó by the large landowners, however, few of the elements of the labor law were being fulfilled. There was an almost total ignorance on the part of the workers in the Sopó area of their rights under the law. Moreover, those who knew about some elements of the law were afraid to demand their rights because dismissal might follow.

Possibilities for Remedial Techniques

As we have pointed out, there are a number of important differences among the minifundia units in Sopó. These include variations in motivation for operating the small unit, sources of income, level of education and age of the operators, breadth of farming experience and antecedents through which the small units were formed. Low levels of income and lack of vertical mobility, however,

are characteristics common among the operators of these units. As might be expected, the heterogeneous nature of these small farms and the difference among their operators seriously affects the scope and applicability of the various remedial techniques which might be applied.

With respect to the use of parcel consolidation in Sopó, it is doubtful that more than a handful of farm units in the area could benefit through combining several scattered parcels.¹⁵ Although a few of the units in the areas of mixed-dependent minifundia do include multiple parcels, the overwhelming problem is that the total amount of land included in the minifundia does not add up to viable units and there is little that parcel consolidation can do to remedy this situation.

Other agrarian reform alternatives such as supervised credit and the formation of cooperatives, which have had some success among commercial minifundia, also appear to have only limited applicability to the minifundia problems in Sopó. Supervised credit, for example, is most effective among operators who have underutilized labor and land resources.¹⁶ The fact that many of the small farm operators in Sopó work off-unit suggests the presence of excess labor for on-farm work. Few of these small units, however, have sufficient land to make a viable farm unit even with additional doses of credit and supervision. Moreover, few of the operators of these units have had managerial experience with farms organized to react to market conditions. This is especially true of tenant workers on the large units. An illiterate, fifty-year-old individual who has been a farm worker all his working life is not a good bet to become a success-

ful operator of a commercial farm, even with supervision and credit.

Likewise, marketing cooperatives have limited possibilities because the operators of these dependent minifundia, unlike operators of commercial minifundia, sell only a small portion of their products. Under the circumstances there would be little opportunity for a cooperative to help producers benefit from bulk sales, grading or lower transportation costs. The opportunities are even less promising for a consumer cooperative to compete with the low margins charged by the large number of local merchants in the area. There appear to be few marketing functions which the cooperative could improve upon for this group of people.

Another alternative solution proposed by the Colombian Agrarian Reform Law of 1961 is to place a minimum size of six hectares on the parcels of land which can be sub-divided. If followed, this may help prevent the formation of new minifundia units, especially in areas of independent minifundia, but cannot treat the problems at hand in Sopó. This type of approach treats the results rather than the causes of the problem.

Still another solution for the minifundia has been widely discussed in Colombia. That is, the acceleration of the migration process so that occupants of the so-called marginal or minifundia

¹⁵A similar conclusion for most of Colombia was reached in another study: Carlos de Soroa y Plana, *Estudio del Minifundio en Colombia Desde el Punto de Vista de Las Posibilidades de Realización de La "Concentración Parcelaria"* (Bogotá, Colombia: Department of Technical Studies, INCORA, 1964), p. 37.

¹⁶For a further exposition of the aims of supervised credit see, D. W. Adams, et al., *op. cit.*, pp. 7-8.

units can be moved out of the rural areas.¹⁷ In some parts of Colombia this out-migration process is well advanced. Some of this shifting population, however, is moving into other rural areas. The continuing colonization thrusts and the settlement in villages near large cities are important aspects of this process. Sopó falls into the latter case with respect to migration. That is, farm laborers continue to move into Sopó from more remote areas while many of the young, healthy, aggressive, better educated individuals from the area move into Bogotá. In large measure the remaining occupants of the small farms in Sopó would be unable, within reasonable limits, to make the transition into the large city. Many of the operators of these small units who live in the rural area are not functionally literate, are of an age where new skills are almost impossible to learn or have poor health. If these people moved to the cities they would only add to the social problems present there and it is likely that their economic productivity would be lower than in their present activities. A number of the minifundia operators in Sopó are already closely identified with the urban environment through their occupations in the local village. It is doubtful if many of these would consider leaving the area. Taking a longer range view, however, it is likely that a substantial improvement in the rural education in Sopó would result in increased out-migration of the children and thus some long-term reduction in the number of small farm units if the immigration was also stanchied.

Another major alternative for solution of the minifundia problems in Sopó lies in obtaining access to more land for the occupants of the small units identified as mixed or tied to large haciendas.

This could include direct measures such as expropriation-parcelization, commercial parcelization or inducing large landowners to rent more land to these individuals. Indirect measures which increase land taxes and labor costs may also be a means of encouraging the landowners to sell their lands or rent them out. Although a number of these minifundia operators could profitably utilize more land, there are also a number who could not because of their age, lack of experience, or present occupations. Approximately 100 of the operators of minifundia in Sopó might be candidates for utilizing more land under some special program.¹⁸ Substantial quantities of credit and technical assistance would be necessary, along with the land, to assure some measure of success to the new land operators.

Summary

Although we have far from exhausted the description of the small farm units in Latin America and the remedial alternatives which might be applied, the foregoing discussion should suggest the complexity of the problems faced in trying to treat minifundia. It should also indicate why agrarian reformers have had difficulty in applying the European experience with minifundia to Latin America. We argue that minifundia in Latin

¹⁷ This alternative is strongly argued by Lauchlin Currie in, *Accelerating Development: The Necessity and the Means* (New York, New York: McGraw-Hill Book Company, 1966).

¹⁸ It should be noted that the ability of the Colombian Institute for Agrarian Reform (INCORA) to obtain land for parcelization in an area like Sopó is sharply limited. Under present law it is doubtful if any of the large units in Sopó could be expropriated. Some sort of commercial purchase would probably be necessary in this case before land could be obtained for parcelization.

America are seldom a homogenous category which can be simply treated and that some sub-classification can be useful in evaluating remedial alternatives. At least in the Colombian case we feel that grouping minifundia into the independent, various forms of dependent and commercial types can help in establishing guidelines for problem solution. We attempted to show through our discussion of the various forms of dependent minifundia in Sopó how the different kinds of minifundia were formed, how the basic characteristics of these small units vary widely and how a few of the commonly suggested remedial techniques relate to these units.

Given the type of minifundia present in Sopó and the diversity found among these units, it is apparent that a bundle of techniques must be applied to treat the problems at hand. It is doubtful, for example, that many of the small rural landowners who live in the local village, or who live outside but work in the village, can be drawn into full-time farming positions. They would probably benefit more from programs which developed local industries, artisanal activities, or marketing services. A few of the tenant workers on the large farms could probably be helped to achieve landownership status through parcelization programs backed up by supervision and credit. Some of the other small farm operators in the area could also profit by

such measures. It might also be possible for some of the tenant workers to exploit several of the large units in the valley through cooperative action.¹⁹ The remainder of the tenant workers could be assisted through enforcement of the national labor code which would raise their overall earnings. Still other operators of small farms in Sopó could be helped by the further development of home industries and off-farm opportunities for work.

Finally, it should be recognized that some of the operators of these small units cannot be substantially helped with any of the techniques presently being used by agrarian reformers. In these cases programs must be developed to provide their children with better health and education so that their socio-economic opportunities can be extended beyond that of the parents. This ties in closely with the need for long term planning for minifundia. Not only do we need to correct existing problems, but we also need to project plans in this regard so that the undesirable conditions which occur in minifundia can be eliminated over time.

¹⁹ For a discussion of this system of exploitation see, Peter Dorner and J. C. Collarte, "Land Reform in Chile: Proposal for an Institutional Innovation," *Inter-American Economic Affairs*, Summer 1965, pp. 3-22.