Driving Forces and Success Factors for Mergers, Acquisitions, Joint Ventures, and Strategic Alliances Among Local Cooperatives

Jennifer M. Vandeburg Joan R. Fulton Susan Hine Kevin T. McNamara¹

USDA Rural Development Research Report 202

¹ Jennifer M. Vandeburg, Joan R. Fulton and Kevin T. McNamara are research associate, associate professor, and professor, respectively, in the Department of Agricultural Economics, Purdue University. Susan Hine is assistant professor, Department of Agricultural and Resource Economics, Colorado State University.

Abstract

The trend toward greater consolidation in agricultural production and in agribusiness is creating the conditions that squeeze local farm supply and grain marketing cooperatives from three directions. As farms become larger and fewer in number, each individual farmer-customer is more critical, making relationships and services offered more important than ever before. At the same time that each customer has a greater impact on the cooperative's bottom line, the competition is also consolidating, creating a fiercer "survival of the fittest" marketplace. On the other side of the local cooperatives' business, suppliers and grain marketing firms are also fewer and larger, limiting choice and bargaining power for local cooperatives. In response, local cooperatives are engaging in a variety in business arrangements, including strategic alliances, joint ventures, mergers, and acquisitions. This paper has two objectives. The first is to examine the driving forces that motivate local cooperatives to get involved in strategic alliances, joint ventures, mergers and acquisitions. The second is to examine the relative importance of factors in the success of these new business arrangements.

USDA Rural Development Research Report 202 April 2004

The U.S. Department of Agriculture (USDA) prohibits discrimination in all its programs and activities on the basis of race, color, national origin, sex, religion, age, disability, political beliefs, sexual orientation or marital or family status. (Not all prohibited bases apply to all programs.) Persons with disabilities who require alternative means for communication of program information (Braille, large print, audiotape, etc.) should contact USDA's TARGET Center at 202-720-2600 (voice and TDD).

To file a complaint of discrimination, write: USDA, Director, Office of Civil Rights, Room 326-W, Whitten Building, 14th and Independence Avenue, SW, Washington, DC 20250-9410 or call 202-720-5964 (voice and TDD). USDA is an equal opportunity provider and employer.

Preface The data for the analysis in the paper was obtained from 70 locally owned cooperatives in Colorado and Indiana (35 in each State). In-person interviews with the managers were conducted in the spring of 2000 and data was collected on level of sales, number of employees, and the volume of business that would be lost to the local economy if the cooperative were not operating.

Contents	Highlights				
	Introduction	1			
	Data and Descriptive Statistics	2			
	Lines of Business	2			
	Cooperative Size	3			
	Source of Business	4			
	Technological A doption	5			
	Analysis of Restructuring Activities	5			
	Data on Restructuring	5			
	Mergers and A cauisitions	5			
	Joint Ventures and Strategic Alliances	6			
	Conclusion	8			
	References	9			

Highlights

Local cooperatives are a varied group. Sizes range from less than 1,000 members to more than 4,000 and from less than \$15 million in sales to more than \$60 million. Non-member business is also an important source of sales for local cooperatives. They are adopting information technologies in varying degrees, favoring those applications related to operations management. In addition, there are some differences between cooperatives in the Great Plains and the Eastern Corn Belt, as characterized by the type and number of business activities cooperatives in which the two regions are engaged.

The most important factors that motivate mergers, acquisitions, joint ventures, and strategic alliances (decreasing number of farms, increased costs, the industrialization of agriculture, increased competition, decreased profits) are directly related to consolidation of agribusiness and the industrialization of agriculture. Cooperatives seem to be turning to these business arrangements to deal with the challenges presented by this trend toward consolidation in production agriculture and agribusiness.

Key factors that contribute to the success of mergers, acquisitions, joint ventures and strategic alliances are related to interpersonal dynamics: trust, communication, commitment, and having managers that can work together as a team.

Results suggest that training for cooperative personnel and boards needs to include communication skills, trust building, and team-building exercises. Cooperative managers and other personnel are key to the success of a merger, acquisition, joint venture, or strategic alliance.

Driving Forces and Success Factors for Mergers, Acquisitions, Joint Ventures, and Strategic Alliances Among Local Cooperatives

Jennifer M. Vandeburg Joan R. Fulton Susan Hine Kevin T. McNamara

Introduction

Increasingly, local agricultural cooperatives are wrestling with challenges resulting from the consolidation of agricultural production. In 1969, there were 2,730,250 farms in the U.S.; by 1997 the number had dropped to 1,911,859, down 30 percent. At the same time, the average size of a farm had grown 25 percent from 389 acres to 487 acres (U.S. Department of Commerce 1974, Census of Agriculture 1997). As the number of farms decreases and the amount of business conducted with remaining farms grows, each farm customer becomes more crucial to a local agricultural supply and grain marketing cooperative.

The competition for the farm dollar grows more aggressive. Cooperatives are courting fewer customers, each with greater buying power. Both the farm supply (seed, chemical and feed) and grain industries have been consolidating, leaving fewer players to compete for business from the remaining producers.

In addition, the key firms in these industries are, in many cases, also the local cooperative's suppliers or grain customers. This means fewer choices for the cooperative when it comes to deciding whom to buy from and sell to, reducing the local cooperative's bargaining power.

This environment of consolidation results in the local agricultural supply and grain marketing cooperatives struggling with simultaneous challenges on multiple fronts. For many, the response is structural change (Cummins 1993, 1999; Warman). During the course of this research, the managers of local cooperatives were surveyed to identify the types of business arrangements they are using for structural change, including mergers, acquisitions, joint ventures, and strategic alliances with other cooperatives or with investor-oriented firms. Cooperative membership is often reluctant to pursue mergers, for fear of losing the firm's identity and the quality of service to which they are accustomed (Reynolds). Instead, many cooperatives form joint ventures and strategic alliances to share the burden of a project, while retaining the cooperative's identity (Liebrand and Spatz). Reynolds also comments that experience with joint ventures tends to ease the transition during a merger for both members and management.

This paper has two objectives. First, examine the driving forces that motivate local cooperatives to get involved in strategic alliances, joint ventures, mergers and acquisitions. Second, examine the relative importance of factors in the success of these new business arrangements. This section describes the data used in this analysis and provides some descriptive statistics of the cooperatives that participated. The third section discusses and analyses cooperative restructuring activities. This is followed by conclusions and recommendations for cooperative managers.

Data and Descriptive Statistics

Seventy local agricultural supply and grain marketing cooperatives in Indiana and Colorado, 35 in each state, were surveyed during May and June of 2000. Interviewers conducted in-person interviews with the general managers. Each interview used a standard survey instrument and was conducted by the same interviewer in each state.

The survey instrument had five sections. Descriptive information about the cooperative, including size of market territory, lines of business, and size of the cooperative was collected from a series of questions in the first section. The second section focused on the cooperative's impact on the local economy and asked about number of employees and value of business in the local community. The third section asked managers to rate, using a 5-point Likert scale, the importance of driving forces and success factors for mergers, acquisitions, joint ventures, and strategic alliances. The managers were also asked open-ended questions about business trends and the impact of the changing agribusiness environment on their cooperatives. Section four asked questions about the cooperative's financial performance and its decisionmaking process. The final section inquired about emerging issues facing cooperatives. Lines of Business

Local cooperatives were engaged in a number of businesses – farm supply, grain marketing and administrative services. Farm supply has four main divisions: agronomy, energy, retail farm supply, and feed. Sixty-nine cooperatives (34 in Indiana, 35 in Colorado) tallied the businesses in which they were engaged. Table 1 shows the number of cooperatives in each state, their business activity and the corresponding percentage of respondents.

Some of the Colorado cooperatives are more specialized and focused in their product offering than those in Indiana. Examples include cooperatives that focus on a specific division, such as only marketing, grain, or offering products and services aimed at customers who grow a specific crop, such as onions or potatoes. Other Colorado cooperatives have a wider offering in the major divisions, although there is a tendency to not maintain all five major divisions.

Indiana cooperatives, by contrast, are more consistent regarding products and services offered. They offer a wide range of products and services, with 79 percent or more of these responding that they are engaged in each of the five major divisions.

This difference between the products and services offered by local cooperatives in Colorado and Indiana is due to two factors. First is the type of agricultural production. Colorado's agriculture is more diverse due to topography and its associated climatic differences that ranges from high

Line of Businessfirms involved in this line of businessECOINCOINFarm SupplyCOINCOINFarm SupplyCoINCOINFarm SupplyChemical Sales243469100Chemical Sales253471100Fertilizer Sales243469100Agronomic Consulting16314691GPS Mapping4301188Variable Rate Fertilizer/Chemical Application8302388Petroleum Supply (Bulk Fuel)24286982Gas at the Pump23216662C -Store15154344Liquid Propane Supply20255774Retail Farm Supply Store27222763Feed DivisionI293535Livestock Nutrition Consulting13253774Grain MarketingI9265476Grain DivisionI1574321Brokerage Services1574321Brokerage Services1574321Ketal Services1574321FinancingI155144	Lines of Business ²							
in this line of business CO IN CO IN Farm Supply CO IN CO IN Agronomy Division Co IN CO IN Seed Sales 24 34 69 100 Chemical Sales 25 34 71 100 Fertilizer Sales 24 34 69 100 Agronomic Consulting 16 31 46 91 GPS Mapping 4 30 11 88 Variable Rate Fertilizer/Chemical Application 8 30 23 88 Energy Division C C Second 66 62 Gas at the Pump 23 21 66 62 62 C-Store 15 15 43 44 Liquid Propane Supply 27 22 27 63 Etail Farm Supply 27 22 27 63 Store I 10 12 <t< td=""><td colspan="2" rowspan="3">Line of Business</td><td colspan="2">Number of</td><td colspan="2">Percentage</td></t<>	Line of Business		Number of		Percentage			
business CO IN CO IN Agronomy Division								
Farm Supply Image: Construct of the system of								
Agronomy Division Agronomy Division Image: Constraint of the second sec			CO	IN	CO	IN		
Seed Sales 24 34 69 100 Chemical Sales 25 34 71 100 Fertilizer Sales 24 34 69 100 Agronomic 16 31 46 91 Consulting 1 8 30 11 88 Variable Rate 8 30 23 88 Fertilizer/Chemical 8 30 23 88 Fertilizer/Chemical 8 30 23 88 Petroleum Supply 24 28 69 82 (Bulk Fuel) 23 21 66 62 C-Store 15 15 43 44 Liquid Propane 20 25 57 74 Supply 27 22 27 63 Store I 10 12 29 35 Livestock Nutrition 13 25 37 74 Consulting 19	Farm Supply							
Chemical Sales 25 34 71 100 Fertilizer Sales 24 34 69 100 Agronomic Consulting 16 31 46 91 GPS Mapping 4 30 11 88 Variable Rate Fertilizer/Chemical Application 8 30 23 88 Energy Division								
Fertilizer Sales 24 34 69 100 Agronomic 16 31 46 91 GPS Mapping 4 30 11 88 Variable Rate 8 30 23 88 Fertilizer/Chemical 30 11 88 Application 9 24 28 69 82 Bas at the Pump 23 21 66 62 C-Store 15 15 43 44 Liquid Propane 20 25 57 74 Supply 27 22 27 63 Feed Division 9 10 12 29 35 Livestock Nutrition 13 25 37 74 Animal Health 19 26 54 76 Products 7 43 21 88 Consulting 19 30 54 88 Comodity 15 7 43<		Seed Sales	24	34	69	100		
Agronomic Consulting16314691GPS Mapping4301188Variable Rate Fertilizer/Chemical Application8302388Energy Division8302388Energy Division8302388Gas at the Pump242869826262C-Store15154344Liquid Propane Supply20255774Retail Farm Supply Store27222763Feed Division82Toll Milling10122935Livestock Nutrition Consulting13253774Animal Health Products19265476Grain Division4321Grain Handling19305488Commodity Brokerage Services1574321Identity-Preserved Grain Contracts18155144Administrative Services1444Administrative Services4344		Chemical Sales	25	34	71	100		
$\begin{tabular}{ c c c c c c } \hline Consulting & 4 & 30 & 11 & 88 \\ \hline GPS Mapping & 4 & 30 & 11 & 88 \\ \hline Variable Rate Fertilizer/Chemical Application & & & & \\ \hline Energy Division & & & & & \\ \hline Energy Division & & & & & \\ \hline Petroleum Supply & 24 & 28 & 69 & 82 \\ \hline Gas at the Pump & 23 & 21 & 66 & 62 \\ \hline C-Store & & 15 & 15 & 43 & 44 \\ \hline Liquid Propane & 20 & 25 & 57 & 74 \\ \hline Supply & & 27 & 22 & 27 & 63 \\ \hline Feed Division & & & & \\ \hline Feed Sales & 22 & 28 & 63 & 82 \\ \hline Toll Milling & 10 & 12 & 29 & 35 \\ \hline Livestock Nutrition & 13 & 25 & 37 & 74 \\ \hline Consulting & & & & \\ \hline Grain Marketing & & & & \\ \hline Grain Handling & 19 & 30 & 54 & 88 \\ \hline Commodity & 15 & 7 & 43 & 21 \\ \hline Brokerage Services & & & & \\ \hline Financing & & & & \\ \hline Financing & & & & & \\ \hline \end{array}$		Fertilizer Sales	24	34	69	100		
GPS Mapping4301188Variable Rate Fertilizer/Chemical Application8302388Energy Division </td <td></td> <td></td> <td>16</td> <td>31</td> <td>46</td> <td>91</td>			16	31	46	91		
Variable Rate Fertilizer/Chemical Application8302388Energy Division </td <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>								
Fertilizer/Chemical ApplicationPetroleum Supply (Bulk Fuel)24286982Gas at the Pump23216662C-Store15154344Liquid Propane Supply20255774Retail Farm Supply Store27222763Feed Division								
ApplicationImage: constraint of the second sec			8	30	23	88		
Energy DivisionImage: constraint of the second								
Petroleum Supply (Bulk Fuel) 24 28 69 82 Gas at the Pump 23 21 66 62 C-Store 15 15 43 44 Liquid Propane Supply 20 25 57 74 Retail Farm Supply Store 27 22 27 63 Feed Division	En							
(Bulk Fuel) 23 21 66 62 C-Store 15 15 43 44 Liquid Propane Supply 20 25 57 74 Retail Farm Supply 27 22 27 63 Feed Division			24	28	69	82		
C-Store15154344Liquid Propane Supply20255774Retail Farm Supply Store27222763Feed Division		(Bulk Fuel)						
Liquid Propane Supply20255774Retail Farm Supply Store27222763Feed Division27222763Feed Sales22286382Toll Milling10122935Livestock Nutrition Consulting13253774Animal Health Products19265476Grain Marketing19265488Grain Division1574321Brokerage Services18155144Administrative Services18155144Financing191015743		Gas at the Pump	23	21	66	62		
Supply27222763Retail Farm Supply Store27222763Feed Division110122935Feed Sales22286382Toll Milling10122935Livestock Nutrition Consulting13253774Animal Health Products19265476Grain Marketing19265488Grain Division1574321Brokerage Services1574321Identity-Preserved Grain Contracts18155144Administrative Services16174444			15	15	43	44		
Retail Farm Supply Store27222763Feed DivisionFeed Sales22286382Toll Milling10122935Livestock Nutrition Consulting13253774Animal Health Products19265476Grain Marketing </td <td></td> <td></td> <td>20</td> <td>25</td> <td>57</td> <td>74</td>			20	25	57	74		
Feed DivisionImage: Constraint of the sector of			27	22	27	63		
Feed Sales22286382Toll Milling10122935Livestock Nutrition Consulting13253774Animal Health Products19265476Grain Marketing19265488Grain Division1574321Brokerage Services18155144Administrative Services18155144Financing1910101510	Store							
Toll Milling10122935Livestock Nutrition13253774Consulting13253774Animal Health19265476Products9265476Grain Marketing9305488Grain Division9305488Commodity1574321Brokerage Services18155144Grain Contracts9999Administrative Services9101510Financing99999	Feed Division							
Livestock Nutrition Consulting13253774Animal Health Products19265476Grain Marketing19265476Grain Marketing19305488Grain Handling19305488Commodity Brokerage Services1574321Identity-Preserved Grain Contracts18155144Administrative Services18155144		Feed Sales	22	28	63	82		
ConsultingImage: ConsultingAnimal Health Products19265476Grain MarketingImage: ConsultanceImage: ConsultanceImage: ConsultanceImage: ConsultanceGrain DivisionImage: ConsultanceImage: ConsultanceImage: ConsultanceImage: ConsultanceImage: ConsultanceGrain Handling19305488Commodity Brokerage Services1574321Identity-Preserved Grain Contracts18155144Administrative ServicesImage: ConsultanceImage: ConsultanceImage: ConsultanceFinancingImage: ConsultanceImage: ConsultanceImage: ConsultanceImage: Consultance		Toll Milling	10	12	29	35		
Products Image: Constraint of the second s			13	25	37	74		
Grain Marketing Grain Division Grain Division Grain Handling Grain Handling 19 Grain Handling 19 Brokerage Services 7 Identity-Preserved 18 Grain Contracts 51 Administrative Services 10 Financing 10			19	26	54	76		
Grain DivisionImage: Constraint of the second s								
Grain Handling19305488Commodity1574321Brokerage Services1574321Identity-Preserved Grain Contracts18155144Administrative Services </td <td>Gra</td> <td colspan="2">-</td> <td></td> <td></td> <td></td>	Gra	-						
Commodity Brokerage Services 15 7 43 21 Identity-Preserved Grain Contracts 18 15 51 44 Administrative Services 5 5 5 Financing 5 5 5			19	30	54	88		
Identity-Preserved Grain Contracts 18 15 51 44 Administrative Services Financing		Commodity	15	7	43	21		
Administrative Services Financing		Identity-Preserved	18	15	51	44		
Financing								
	rii	Crop Input Loans		23	23	68		
	\vdash		-					
Operating Loans 5 15 14 44 Livestock 6 8 17 24	\square							
Livestock 6 8 17 24 Production Loans			6	8	1/	24		
Feed Loans 5 10 14 29			5	10	14	29		
Crop Insurance25615								
	Electronic Ordering							

<u>Table 1</u>: Cooperatives Involved in Specific Lines of Business²

plains to mountain regions. This results in a greater range of crops, including wheat, corn, sorghum, fresh fruits and vegetables, potatoes, cattle, sheep, and hogs. Indiana's climate and terrain are relatively homogeneous, favoring traditional Corn Belt crops such as corn, soybeans, wheat, and hogs.

A second factor is the manner in which cooperatives were established. Indiana Farm Bureau organized many of the Indiana cooperatives within a 5-year period in the late 1920s and early 1930s³. More diverse groups of producers established the cooperatives in Colorado over a wider period of time.

Cooperative size

Figure 1 shows the percentage of responding cooperatives that fall into each of five groups based on the number of members. Figure 2 shows the percentage of total membership of all cooperatives, responding to the survey, which is accounted for by each cooperative size category. While almost half of all responding cooperatives (47 percent) had less than 1,000 members, firms in this category only accounted for 13 percent total cooperative membership represented in this survey. Likewise, the largest cooperatives (4,000 or more members) represent only 12 percent of the responding firms, but account for 51 percent of total cooperative membership.

²35 responding in Colorado, 34 in Indiana

³ Many still include Indiana Farm Bureau Cooperative in the corporate name.

Figure 1 – Responding Cooperatives in Each Size Category (Size Category by Number of Members)



Figure 3 – Responding Cooperatives in Each Size Category (Size Category by Fiscal 1999 Sales)



Figure 2 – Responding Cooperatives' Membership in Each Size Category (Size Category by Number of Members)



Figure 3 shows the percentage of responding cooperatives that fall into five categories, grouped by level of total sales for fiscal year 1999. Even though these firms are locally owned, they are not necessarily small firms. More than half (52 percent) had sales exceeding \$15 million for fiscal 1999. Total sales in fiscal 1999 for local cooperatives in Colorado and Indiana ranged from less than \$15 million to more than \$60 million. Thirty percent had sales in excess of \$30 million.

Source of Business

All examples in this sample are open cooperatives, allowing business to be conducted with non-members. When asked, 56 percent of the respondents indicated that more than 30 percent of their business volume is conducted with non-members (Figure 4). Nearly a third (32 percent) indicated that non-members accounted for more 40 percent of their business volume. For many cooperatives, non-members have become an important source of business. **Figure 4** – Responding Cooperatives in Each Volume of Business Category (Category by Percent of Business Attributed to Non– Members)



Technological Adoption

Local cooperatives are bringing information technologies into their operations, particularly for internal and business-to-business applications. Figure 5 shows the percentage of respondents that have adopted specific information technology applications. Information management applications for internal use are the most prevalent. Most respondents used computerized billing and accounting systems. Computerized plant operations, which includes equipment such as inventory computers for delivery trucks and GPSmonitored herbicide tanks, were used by 63 percent of the cooperatives. Both e-mail and Web-based ordering is more commonly used with suppliers, in a business-to-business environment, than with customers. Of the cooperatives that maintain their own Web pages, a little more than a third offer Webbased ordering to their own customers.

Figure 5 – Use of Computerized and Automated Operations by Sample Cooperatives



Analysis of Restructuring Activities

Data on Restructuring

Local agricultural cooperatives are restructuring to meet the challenges presented by consolidation in agribusiness. To gain insight on how local agricultural cooperatives are using mergers, acquisitions, joint ventures and strategic alliances to remain competitive, managers were asked a series of questions about their restructuring activities. Managers were first asked whether their cooperative had participated in a merger or acquisition in the last five years. If the reply was affirmative, they were asked to describe the nature of the activity and rate how successful each was. In addition, based on their experience with these business arrangements, they were asked to rate the importance of eight driving forces that might motivate a merger or acquisition. These questions used a Likert scale, with a score of 5 being most important and a score of 1 being least important. They were also asked

to rate the importance of a set of 10 factors that could contribute to the success of a merger or acquisition, again using a Likert scale. A similar set of questions was asked about the firm's participation in joint venture and strategic alliance agreements, and results are presented in the following sub-sections.

Mergers and Acquisitions

In this section, we focus on the driving forces and success factors, from the perspective of managers, for mergers and acquisitions. Managers were asked to rate these factors on a Likert scale from 1 to 5, with 5 being very important. From these ratings a weighted mean rating for each factor was calculated. Figure 6 presents the weighted means for the driving forces behind mergers and acquisitions, while Figure 7 presents the results pertaining to the success factors for these arrangements.

Figure 6 reports the mean ratings that managers assigned to factors that motivate mergers and acquisitions for local cooperatives. The highest mean values correspond with the factors of decreasing number of farms, increased costs, decreased profits, increased competition, and the industrialization of agriculture. These are the factors directly related to consolidation of production agriculture and agribusiness and the industrialization of agriculture. Of less impact for motivating mergers and acquisitions are the factors not directly related to consolidation and industrialization, such as government regulations and needing cash.

Figure 6 Weighted Mean Ratings for Driving Forces for Mergers and Acquisitions



Figure 7 reports the mean ratings that managers assigned to factors that contribute to the success of mergers and acquisitions. Those factors with the highest mean values include communication, trust, achieving overall synergies, and managers working well together. Those with the lower mean values included keeping egos in check, decreased costs, having common goals, the financial stability of the firms, and increased sales.

Of key interest from this set of results is that the highest ranked factors consist of those directly related to interpersonal dynamics among the personnel involved. More tangible factors, such as decreased costs, financial stability of the firms, and increased sales were assigned lower ratings by the managers.

Figure 7 – Weighted Mean Ratings for Success Factors for Mergers and Acquisitions



Figure 8 – Weighted Mean Ratings for Driving Forces for Joint Ventures and Strategic Alliances



Joint Ventures and Strategic Alliances

Figure 8 reports the mean ratings that managers assigned to driving forces for joint ventures and strategic alliances for local cooperatives. Factors with the higher mean values included decreasing number of farms, increased costs, the industrialization of agriculture, increased competition, decreased profits, decreased sales, and government regulations. These factors are heavily influenced by factors directly related to consolidation and industrialization, while the lower ranked factors are not related to these trends. Figure 9 reports the mean ratings that managers assigned to factors that contribute to the success of joint ventures and strategic alliances for local cooperatives. The factors with the highest rankings include commitment to the project, trust, communication, managers working well together, and having common goals. Again, as with mergers and acquisitions, the group with the highest means is greatly influenced by success factors related to the interpersonal dynamics of joint ventures and strategic alliances, particularly commitment, communication, and trust.

Figure 9 – Weighted Mean Rating for Success Factors for Joint Ventures and Strategic Alliances



The managers were also asked whether they had considered any joint ventures or strategic alliances in the last five years that had not been pursued. Those that had were asked to rate factors contributing to their decision to not enter into the agreement(s) in question. Figure 10 shows a list of these factors and their weighted means.

Figure 10 – Weighted Mean Ratings for Factors for Not Entering into Joint Ventures and Strategic Alliances



Conclusions

Local agricultural cooperatives are facing the challenge of remaining competitive in a business environment characterized by consolidation of customers, competitors and suppliers, plus other cooperatives. To remain competitive, many cooperatives are participating in mergers, acquisitions, joint ventures, and strategic alliances.

Sizes of local cooperatives range from less than 1,000 members to more than 4,000 and from less than \$15 million in sales to more than \$60 million. Non-member business is also an important source of sales for local cooperatives. They are adopting information technologies in varying degrees, favoring applications related to operations management. There are some differences between cooperatives in the Great Plains and the Eastern Corn Belt, as characterized by the nature of business activities in which cooperatives in the two regions are engaged.

The most important factors that motivate mergers, acquisitions, joint ventures and strategic alliances (decreasing number of farms, increased costs, the industrialization of agriculture, increased competition, decreased profits) are directly related to consolidation of agribusiness and the industrialization of agriculture. Cooperatives seem to be turning to business arrangements to deal with the challenges presented by consolidation in production agriculture and agribusiness.

The key factors that contribute to the success of mergers, acquisitions, joint

ventures and strategic alliances are related to interpersonal dynamics: trust, communication, commitment, and having managers that can work together as a team. This supports the earlier results of Fulton et al, and van Duren et al. Or, as one member of the M&A Group⁴ stated in a roundtable discussion in the *Harvard Business Review*, "...we communicate, communicate, communicate (Carey)."

These conclusions suggest that training for cooperative personnel and boards needs to include communication skills, trust building, and team building exercises. A member of the M&A Group pointed out that the most important investment by a firm is in its personnel (Carey). The managers and other personnel are key to the success of a merger, acquisition, joint venture or strategic alliance by a cooperative.

⁴ The M&A Group is a forum for chief executive officers to discuss business strategy specific to mergers and acquisitions.

References:

Carey, Dennis. "A CEO Roundtable on Making Mergers Succeed." *Harvard Business Review*. May-June 2000. pp. 145-154.

Census of Agriculture. United States Department of Agriculture, National Agricultural Statistics Service website. Accessed Sept. 25, 2000. <u>http://www.nass.usda.gov/census/census97/</u> <u>highlights/usasum/us.txt</u>. 1997

Cummins, David E. "Corn Belt Grain Cooperatives Adjust to Challenges of 1980s, Poised for 1990s." United States Department of Agriculture, Agricultural Cooperative Service, ACS Research Report Number 117. August 1993.

Cummins, David E. Personal communication. March 1999.

Fulton, Joan R., Michael P. Popp, and Carolyn Gray. "Strategic Alliance and Joint Venture Agreements in Grain Marketing Cooperatives." *Journal of Cooperatives*. pp.1-14. 1996. Liebrand, C.B. and K.J. Spatz. "Can A MAC Help? Marketing Agencies-in-Common Create Sales Opportunities for Coops." *Farmer Cooperatives*. pp.11-12. February 1994

Reynolds, B. Specialization Networks Offer Alternative to Consolidation of Local Cooperatives." *Farmer Cooperatives*. pp 14-16. Feb.1995.

United States Department of Commerce. 1974 Census of A griculture. Bureau of the Census. Volume 2, Part 1. p. vi. 1974.

van Duren, E., W. Howard, and H. McKay. "Forging Vertical Alliances." *Choices.* pp. 31-33. Second Quarter, 1995.

Warman, Marc. "Cooperative Grain Marketing: Changes, Issues, and Alternatives." United States Department of Agriculture, Agricultural Cooperative Service, Research Report 123. April 1994.