MINNESOTA AREA

AGRICULTURE COORDINATORS STUDY

FINAL REPORT

JANUARY, 1977

This study was conducted by Educational Management Services, Inc. in cooperation with the State Area Agriculture Coordinators Study Advisory Committee. It was funded by the Minnesota Division of Vocational-Technical Education, Program Planning and Development Section. Points of view or opinions stated in this report do not necessarily represent official Minnesota Department of Education position or policy.



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Fred C. McCormick, Ph.D., Project Director Educational Management Services, Inc. 4510 West 77th Street, Suite 150 Minneapolis, Minnesota 55435 (612) 831-1819

MINNESOTA AREA AGRICULTURE COORDINATORS STUDY

SUMMARY OF MAJOR RECOMMENDATIONS AND ADVISORY COMMITTEE ACTIONS

Following is a summary of this study's major recommendations and Advisory Committee Actions, from Section 3 of this report:

3.1 ROLE AND JOB DESCRIPTION

Recommendation 3.1.1. The Job Description: State Plan for the Area Program Coordinator of Agriculture Education, including duties and qualifications, should be revised in the 1977 update of the State Plan in accordance with the proposed job description (See Exhibit 14).

Recommendation 3.1.2. The job functions, their priority and time designations of Area Agriculture Coordinators, should be guided by Role Development Profile results of all three groups of major respondents: Ag Coordinators, AVTI Directors, and Vo-Ag Educators (See Exhibits 6-8, filed supplement to this report).

Recommendation 3.1.3. Approximate work-time percentage expenditures for the Area Agriculture Coordinators, on a statewide basis, should be:

- Adult: 65%
- Post-Secondary: 10%
- . Secondary: 5%
- . Agribusiness/Industry: 10%
- Workshops/Communication: 10%

It is emphasized that these are <u>general</u> guidelines, which must be interpreted flexibly, depending on situations relating to time of year and other factors existing in the various coordinator areas.

3.2 ACCOUNTABILITY/DIRECTION

Recommendation 3.2.1. A monthly work activity planning/
reporting procedure should become operational immediately. (See
Exhibit 15, for an example). The monthly work activity plan/
report should include signed approval by the Area Agriculture
Coordinator, the AVTI Director, and the Adult Supervisor of
Agriculture Education.

Recommendation 3.2.2. A statewide Advisory Committee, relating to area program coordination of agriculture education, should be appointed, with the following representation:

- Adult Directors Association
- Area Vocational-Technical Institute Directors Association
- Secondary Vocational Administrators Association
- Minnesota Vocational Agriculture Instructors Association
- Minnesota State Advisory Council for Vocational Education
- . University of Minnesota
- Users: Agribusiness/Farm Operators/Farm Organizations

The State Supervisory Staff of Agriculture Education should serve as ad hoc members, and the committee's secretary should be the Adult Supervisor of Agriculture Education. The advisory committee will serve to help determine statewide needs, to establish priorities, and to maintain directions for work in area program coordination of Agriculture Education.

Recommendation 3.2.3. User groups defined in the study (Vo-Ag educators - adult, post-secondary and secondary - school administrators, agribusiness/industry personnel, and farm operators) should continue to be approached in determining the need for, and defining priorities for services of the Area Agriculture Coordinators.

Recommendation 3.2.4. The program of area coordination of agriculture education should continue to be assessed through efforts of the Vocational-Technical Division and the Statewide Advisory Committee relating to area program coordination, defined in Recommendation 3.2.2 above.

3.3 FUNDING DECEMBER by STATE BOARD 2.15-77

Recommendation 3.3.1. Funding for the program of area coordination for agriculture education should be provided 100 percent by the State of Minnesota (75 percent adult and 25 percent post-secondary, for salaries, travel and secretarial services beyond temporary personnel for adult farm records analysis).

Recommendation 3.3.2. Funding, as proposed in Recommendation 3.3.1, should be instituted as soon as possible, but no later than July 1, 1977.

3.4 NUMBERS, WORKLOADS AND LOCATIONS

Recommendation 3.4.1. If any adjustments in assigned geographic areas relating to the program of area program coordination of agriculture education are required, the present coordinators, as a group, should be involved, as has been done during the conduct of this study. This should be accomplished with the coordination of the State supervisory staff of agriculture education. (Adult Supervisor of Agriculture Education).

Recommendation 3.4.2. The locations of area agriculture coordinators should continue to be at the analysis centers within AVTI's. Inasmuch as is possible and feasible, area coordinators should remain in the same AVTI locations as currently assigned, since their professional employment (including accumulated employee benefits) have been within specific school districts. The present coordinator areas (as of June, 1976) are shown in Figure 1. Table 4 provides Area Agriculture Coordinator loads according to presently assigned areas.

Recommendation 3.4.3. The following alternatives are provided with respect to numbers of Agriculture Coordinator areas and/or Area Agriculture Coordinator loads. These alternatives are not necessarily listed in order of their potentials for providing a full-service program of area coordination for Agriculture Education in Minnesota. However, the assumption can be made that the larger the number of areas (i.e., coordinators), the greater the potential for full-services. Also, the determination of numbers of coordinators must be made according to available funds.

Each alternative is documented with a figure (map) illustrating geographical areas and/or a table providing area agriculture coordinator loads, as follows:

Alternative 1: Seven Areas, plus metropolitan counties (See Figure 2 and Table 5).

- Alternatives 2, 3, 4, and 5: Seven, Six, Five, and Four Areas, with Coordinator loads determined by dividing the total state coordinator loads, in each case, equally (See Table 6).
- . Alternative 6: Seven Areas, metropolitan counties included (See Figure 3 and Table 7).
- Alternative 7: Seven Areas, utilizing combinations of Development Regions (See Figure 4 and Table 8).
- Alternative 8: Six Areas, metropolitan counties included (See Figure 5 and Table 9).
- Alternative 9: Five Areas, plus the metropolitan counties (according to the MECC regions). (See Figure 6 and Table 10).

ADVISORY COMMITTEE ACTIONS:

At its January 21, 1977 meeting, the State Area Agriculture Coordinators Study Advisory Committee unanimously passed two motions relating to the study, i.e.

- recommending Alternative 1, providing funds are available; and
- endorsing this study, performed by EMS, as well as this report and its recommendations, in their entirety.

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1. BACKGROUND AND NEED: AREA PROGRAM COORDINATOR OF AGRICULTURE EDUCATION

1.1 BACKGROUND

Currently there are Area Agriculture Coordinators operating through the Area Vocational-Technical Institutes in the following communities: Thief River Falls, Staples, St. Cloud (Acting), Willmar, Mankato, Winona, Austin, and Jackson. One of the major areas of their work includes the operation and coordination of Adult Farm Management Education Programs, through local vocational-agriculture instructors and a Regional Analysis Center.

The State Board for Vocational Education requested the Division of Vocational Education to conduct a study of the need, job descriptions, location, administrative structure, and funding patterns presently in existence with recommendations for changes in one or all of these concerns.

Educational Management Services, Inc. (EMS) with the assistance of the Statewide Study Advisory Committee, has conducted a Study of Area Agriculture Coordinators in Minnesota. This Final Report serves to present results of the study and Advisory Committee deliberations, including summaries of three aspects of the study, in the sections which follow. These are:

- Background and Need: Area Program Coordination of Agriculture Education;
- 2) Considerations and rationales, including assumptions, on which major recommendations are offered; and
- 3) Major recommendations, relating to role and job description, accountability and direction, funding, and Numbers/Work Loads/Locations of the Area Program Coordinators of Agriculture Education. A number of Exhibits, relating to Sections 1-3, follow in Section 4, supplement to the report.

1.2 NEED

The need for, and work role of, Area Agriculture Coordinators in Minnesota has been documented in a number of ways including interviews, surveys of Users of Services, and role development profiles among all involved personnel relating to the area Agriculture Coordinators. A summary of contacts accomplished, (including interviews), is presented in Exhibit 1. Results of the Surveys of Users of Services are presented in Exhibit 2 (Vocational Agriculture Educators), Exhibit 3 (School District Administrators), Exhibit 4 (Agribusiness and Industry), and Exhibit 5 (Farm Operators). Role Development Profiles are presented in Exhibit 6 (Agriculture Coordinators), Exhibit 7 (AVTI Directors), and Exhibit 8 (Vo-Ag Educators). Exhibits 2-8 are found in Section 4, filed supplement to this document. Table 1 provides a comparison (of numerical responses) on the profile of functions: priority and time designations, between the Area Agriculture Coordinators and the AVTI Directors with whom they are associated. Tables 2 and 3 present projections of Minnesota enrollments and projections of Minnesota's enrollments in vocational education personnel preparation and development programs, respectively. These tables are extracted from the current Minnesota State Plan for Vocational Education, and include 1976, 1977, and 1981 estimates for Agriculture Education. Two summaries (for two typical coordinator areas) of goals/objectives, activities, time allocations and populations served are provided in Exhibits 9 and 10.

The Study's Advisory Committee (See roster, Exhibit 11) and the Area Agriculture Coordinators (Present, Acting and Retired -

See Exhibit 12) have been helpful in documenting the need and work role of the Area Agriculture Coordinator as well. Exhibits 9-12 are filed supplement to this report.

In summary, the program of area coordination in Minnesota Vocational-Agriculture remains as a model which is emulated beyond the State itself. The program can provide a means to further vocational agriculture development, particularly in adult programming, as well as in areas of articulation between and among the levels of vocational-agriculture.

EXHIBIT 1

SUMMARY OF CONTACTS ACCOMPLISHED

AG COORDINATORS/AVTI DIRECTORS/VO-AG EDUCATORS

John Thell, Mike Cullen; Willmar
Joe Raine, Morton Carney; Austin
Dennis Lehto, Cornelius Votea, Don Hammerlink; St. Cloud
William Guelker, Stanley Edin; Staples
Ed Sisler, Arnt Aune; Thief River Falls
Delbert Hodgkins, Frank Kalin, Veryl Layton; Mankato
Don Walker, Bill Hemsey; Winona
Superintendent Hopf and Board Member(s); Winona and Lewiston
Charles Painter; Austin (Retired Ag. Coordinator)
John Murray, Delbert Schwieger, James Pengra; Jackson
Ed O'Connell; St. Cloud (Retired Ag. Coordinator)

Numbers of Vo-Ag Educators at each of the eight AVTI locations visited

VOCATIONAL-TECHNICAL DIVISION

Jerome Schmehl, Program Planning/Development
Melvin Johnson, Program Planning/Development
Odell Bardusen, Adult Agriculture
Dave McCullough, Adult Operations
Paul Day, Secondary Agriculture
William Hoenhouse, Post-Secondary Agriculture
Robert Madson, Operations
Robert P. Van Tries, Assistant Commissioner, Vocational-Technical Division

UNIVERSITY OF MINNESOTA

Rodger Palmer, Ag. Education (Formerly Duluth Ag. Coordinator)
Paul Marvin, Ag. Education
Edgar Persons, Ag. Education
Gordon Swanson, Ag. Education
Forrest Bear, Ag. Education/Ag. Engineering
Roland Abraham, Ag. Extension
William Hueg, Deputy V.P., Agriculture

OTHERS

Minnesota Vocational-Agricultural Instructors Association, Board of Directors

Adult Agriculture Advisory Committee

Supplementary Adult Vocational Education Legislative Committee

Minnesota Advisory Committee, Agribusiness and Natural Resources Education

Vo-Ag Educators, School District Administrators, Farm Operators and Agribusiness (Surveys of Services to Users and Interviews) fABLE 1

MINNESOTA AGRICULTURE COORDINATORS

PROFILE OF FUNCTIONS: PRIORITY AND TIME DESIGNATIONS

	, <u> </u>	ОТНЕВ	-5-	.0.	-5) only	4 H	-5)
	11						(1)
	1.0	DEVELOPMENT		4.3	(2-6) (3-5)	4 9	(1-7)
	6	мовкеноьг		4 4 . 5	(3-6)	v 4	(1-11) $(0-12)$
	8	COMMUNICATION AND REPORTING		3.0	(1-6) $(1-4)$	W 4	(1-8) (0-12)
	2	NEEDS DETERMINATIO AND RESEARCH	w w	13.3	(1-6) $(1-6)$	សស	(1-10) $(0-12)$
	ف	AGRIBUSINESS/ INDUSTRY RELATIONS	¥	2.3	(1-4) $(2-5)$	2 /	(1-5)
	77	OTHER EDUCATIONAL RELATIONS		3.4	(1-5) (1-5)	ν 4	(1-10) $(0-8)$
	7	UNIVERSI TY RELATIONS		3.5	$\begin{pmatrix} 3-5 \\ 2-3 \end{pmatrix}$	мм	(1-15) (0-5)
	Μ	POST-SECONDARY		5.8	(1-6) $(4-6)$	13	(1-15) $(2-30)$
	2	SECONDARY INSTRUCTION		4.6	(3-6)	10 5	(5-20)
	П	ADULT/VETERANS FARM MANAGEMENT		7.0	(7 only) (7 only)	4 5 4 8	1-60)
0		E N N C L I O N Z		, a			(44 (20
		382	PRIORITY HIGH = 7	LOW = 1 COORDINATORS DIRECTORS	PRIORITY RANGE COORDINATORS DIRECTORS	PER CENT OF TIME COORDINATORS DIRECTORS	PER CENT OF TIME: RANGE COORDINATORS DIRECTORS

TABLE 2
PROJECTIONS OF STATE'S ENROLLMENTS

	T								
nstructional Programs		1976			1977			1981	
y OE Codes <u>1</u> /	S	PS	A	S	PS.	A	S	PS	A
	F 4							- 4	
01. Agriculture	31.251			33,000		22,731	35,000	5,000	24,00
94. Distributive	10,374			10,000	5,000		12.000	6,000	9.00
7. Health	2.224	10,403			10,000	7,418	3,000	11.000	20.8
U9.01 Consumer-Homemaking	63.853			65,000	12	9.071		20	10.00
09.02 Home Economics	6,380	990			1,000	7,322	8,000	2,000	8.00
4. Business	19,926	17,298	15,130	21.000	18,000	15,887		19,000	-
.6. Technical	0	7,499			10,000	3,000		11.000	4.00
17. Trade & Industrial	15,000	26,641	38,030	16,000	.27,000	36,000		28,000	
9.									
9.0100 Group Guidance							X:		7.24
(Pre-Vocational)	149,008	xxxxx	xxxxx	154,500	xxxxx	xxxxx	167,000	xxxxx	xxxx
79.0200 Pre-Post Secondary	0	xxxxx	xxxxx	0	xxxxx	xxxxx	0	xxxxx	xxxx
19.0300 Remedial ***	300	1,991	0	900	2,050	0.	2,100	2,400	0
99.0400 Industrial Arts *	106,411	xxxxx	xxxxx	115,000	xxxxx	xxxxx	125,000	XXXXX	xxxx
09.0500 Volunteer Fireman	xxxxx		22,531		xxxxx				22,53
Total (Unduplicated)	255,419			269,500	75,012	132,840	292,000	82,020	
pecial Needs and pecial Funded 2/	12,256	2,663	1,128	12,815	2 ,7 96	1,184	14,356	2,846	1,24
Disadvantaged :	7,623				1,436			1,418	86
Handicapped	2,677	1,295	346	2,811	1,360	363	2,952	1,428	38
Cooperative Education - Part G	1,956		xxxxx	2,000	xxxxx	xxxxx	3,000	xxxxx	xxxx
Cooperative Education - Part B	(59,662)				(24,424) xxxxx	(66,880)) _{xxxx}
Jork-Study	xxxxx	1,094	XXXXX		1,200		xxxxx	1,300	xxxx
Exemplary	40,000	xxxxx	xxxxx	50,000	xxxxx	xxxxx	.115,000	xxxxx	xxxx

Unduplicated count.

^{2/} May be duplicated count.

^{*} The State Board of Education recognizes the name Industrial Education as including Indust Arts: All enrollments in Industrial Education programs which are funded with vocational education funds are included in these figures.

Remedial enrollment is not identified inasmuch as all remedial activities are supportive to students in vocational education classes.

PROJECTION OF STATE'S ENROLLMENTS IN VOCATIONAL EDUCATION PERSONNEL PREPARATION AND DEVELOPMENT

VOCATIONAL PROGRAMS 1/	P	RE-SERVI	CE 2/	I	N-SERVICE	<u>3/</u>
SPECIFIED BY O. E. CODE	1976	1977	1981	1976	1977	1981
Grand Total (Unduplicated)						3
01. Agriculture	125	130	155	320	345	615
04. Distributive Education	60	82	140	234	2 40	282
07. Health Education	- 0	0	0	226	260	350
09.01 Home Econ. (Home Making)	280	273	250	530	530	80.0
09.02 Home Econ. (Occupational)	70	109	150	260	260	317
14. Business & Office Education	108	132	160	450	450	1,000
16. Technical Education	32	38	60	206	210	260
17. Trade & Industrial Education	121	132	140	545	560	1,000
99. Other 4/	100	16	160	412	415	420
Ancillary				3		
Administration	20	25	50	175	205	684
Guidance & Counseling	20	25	50	9.5	100	157
Para-Professional	30	30	30 '-	17	19	200
PROGRAMS/PURPOSES (DUPLICATED) 5/					:	
Cooperative - Part G	5	5	7	76	85	85
Disadvantaged	15	1.5	25	200	200	213
Handicapped	5	6	15	54	60	70
Remedial .	10	8	10	50	50	70
Exemplary	5	6	7	60	60	145
Other		1				-

- 1/ Include all personnel whose interests fall into one of the following vocational education areas.
- 2/ Pre-service refers to all persons enrolled in vocational preparation classes (regardless of level) who are not involved under contract for vocational activities in a vocational education institution.
- 3/ In-service refers to all persons enrolled in vocational preparation classes (regardless of level) who are involved under contract for vocational activities in a vocational education institution.
- 4/ Include all personnel who teach (or plan to teach) support subjects (math, science, english, etc.) in vocational instruction programs at the post-secondary and adult levels.
- 5/ Include personnel whose emphasis is not identifiable by OE code or OTHER categories.

2. CONSIDERATIONS AND RATIONALES

A number of considerations and rationales, including major assumptions, can be stated, as background to the major recommendations which have resulted from the Study. These are:

2.1 SCOPE OF THE STUDY

This Area Agriculture Coordinators Study has been designed and performed in order to reinforce a <u>plan</u> for area program coordination of agriculture education, in addition to generating only study results.

2.2 AREA PROGRAM COORDINATION OF AGRICULTURE EDUCATION

Area program coordination of agriculture education in Minnesota is concerned with vocational-agriculture education and teaching. It is not concerned with technical service, nor technical research, nor administrative regulation or supervision, such as are provided under the aegis of the University of Minnesota or other Departments of the State of Minnesota, or other public or private service organizations.

2.3 ARTICULATION

Area program coordination of agriculture education serves to provide articulation for

- Agriculture and Agribusiness/Industry;
- Levels of vocational agriculture education (Secondary, Post-Secondary and Adult);
- . Agricultural areas of the State;
- State and local education agencies;
- Local school districts, their teaching staffs, administrations and Boards of Education.

2.4 DEMANDS OF MINNESOTA VOCATIONAL-AGRICULTURE EDUCATION

Vocational-Agriculture Education in Minnesota (Adult,

Post-Secondary and Secondary) has demanded a number of emphases in area program coordination for its success:

- Determination of needs;
- Location of clientele needed to be served;
- Efforts to locate and work with teachers, and administrators on a one-to-one basis, (if needed); i.e., with a personal thrust.
- . Need for inservicing of both present and new personnel;
- Articulation among levels of vocational-agriculture education (Secondary, Post-secondary, and Adult)
- Geographical area responsibility with centers within technical-vocational Institutes:
- Recognition that the length and duration of an individual student's education may vary, (particularly as an adult vo-ag student).
- Need for a personal thrust in recruiting vo-ag students at all levels.
- Need for continuous liaison and relationships with other (non vo-ag education) agencies, such as agribusiness/ industry, including Farm Bureau and Farm Credit agencies, the University of Minnesota, including Agricultural Education, Agricultural Extension, and other departments; as well as other community agencies and organizations.
- Need for personal development/growth through retraining of teachers and coordinators in view of rapidly changing technologies.

2.5 WORKLOADS/ACCOUNTABILITY

With respect to workloads/accountability/direction and evaluation of area program coordinators of agriculture education, the following points are noted:

- Approximate time percentage expenditures, on a statewide basis should be:
 - Adult: 65%
 - Post-Secondary: 10%
 - Secondary: 5%
 - Agribusiness/Industry: 10%Workshops/Communications: 10%

It should be emphasized that these are general guidelines, which must be interpreted flexibly, depending on situations relating to time of year and other factors existing in the various coordinator areas.

- Numbers of educators, schools, ease of transportation, and characteristics of agricultural areas must be taken into account in determining the size of areas for program coordination, in addition to numbers of farm cooperators. Potential numbers, for growth in programs, particularly in adult vo-ag education, must also be considered. A reasonable growth rate of 8-10 percent per year is anticipated.
- Accountability of efforts of the Area Program Coordinator of Agriculture Education can best be managed by the Area Vocational-Technical Institute Director in the district in which the area coordinator is employed; coordination should be provided by the State Supervisory Staff of Agriculture Education (Adult Supervisor of Agriculture Education). Direction and coordination of effort must be provided by the Vocational-Technical Division, from the focus of a statewide delivery system for the agriculture disciplines, and because each Area Program Coordinator of Agriculture Education serves more than the school district of any one Area Vocational-Technical Institute.
- User groups of the Area Coordinators, defined in the study, should continue to be approached in determining the need for, and the effectiveness of, services of the area program coordinators. These user groups are: vo-ag educators (adult, post-secondary, and secondary), administrators in AVTI's and school districts, agribusiness/industry personnel, and farm operators).
- Continuous evaluation of the efforts and effectiveness of the area program coordinators of agriculture education should be the responsibility of the coordinators and their directors, with leadership from the State Supervisory Staff of Agriculture Education (Adult Supervisor of Agriculture Education).
- An advisory committee relating to area program coordination would be of valued assistance in helping to determine statewide needs and in establishing priorities and maintaining directions for the work of area program coordination of agriculture education.

2.6 FUNDING

Funding of the area coordinators will be best accomplished by supporting this position with State funding for salaries and travel. The area program coordination function must be statewide in order to achieve consistency among the various areas of the state. Each of the areas encompasses more than the service territory of any one Area Vocational-Technical Institute, as well.

3. MAJOR RECOMMENDATIONS

This section of the report has been prepared to present major study recommendations as bases for a functional plan for area program coordination of agriculture education in Minnesota. Recommendations are supported by study background and findings, as well as the considerations and rationales, including assumptions, discussed in Section 2 of this report. Areas of recommendations are included in the following sections: (3.1) Role and Job Description; (3.2) Accountability and Direction; (3.3) Funding; and (3.4) Numbers, Workloads and Locations.

3.1 ROLE AND JOB DESCRIPTION

Exhibit 13 includes a <u>current</u> job description for the Area Program Coordinator of Agriculture Education, included in the State Plan update of May 24, 1976.

Recommendation 3.1.1. The Job Description: State Plan for the Area Program Coordinator of Agriculture Education, including duties and qualifications, should be revised in the 1977 update of the State Plan in accordance with the proposed job description (See Exhibit 14).

Recommendation 3.1.2. The job functions, their priority and time designations of Area Agriculture Coordinators, should be guided by Role Development Profile results of all three groups of major respondents: Ag Coordinators, AVTI Directors, and Vo-Ag Educators (See Exhibits 6-8, filed supplement to this report).

Recommendation 3.1.3. Approximate work-time percentage expenditures for the Area Agriculture Coordinators, on a statewide basis, should be:

EXHIBIT 13

CURRENT JOB DESCRIPTION

(FROM PAGES I-40 AND I-41

OF STATE PLAN (MAY 24, 1976)

1.32-5 Local Supervisors of Vocational Education

The following duties are common to all local supervisors of vocational education:

Shall be responsible for development and supervision of local vocational programs in the vocational discipline and perform duties similar to those of the state supervisor, as applicable to a local situation.

1.32-5.1 Supervisor of Agriculture Education

Duties: Refer to 1.32-5.

Qualifications: Shall meet the requirements of a teacher of vocational agriculture, as specified in this Plan.

Shall have three years of successful experience as a teacher of vocational agriculture.

1.32-5.2 Area Program Coordinator of Agriculture Education (Area Vocational-Technical Institute)

<u>Duties</u>: Shall be responsible to the area vocational-technical institute director in the district in which employed.

Shall be responsible on a half-time basis for adult supervisory activities with emphasis on adult farm management analysis and veterans farm coop programs.

Shall be responsible on a half-time basis for postsecondary supervisory activities with emphasis on articulating secondary/post-secondary offerings in agriculture.

Shall make such reports as are required by the area vocational-technical institute director.

Qualifications: Refer to 1.32-5.1.

EXHIBIT 14

PROPOSED JOB DESCRIPTION: STATE PLAN

Adopted -1977 STATE BLAN.

1.32-5.2 AREA PROGRAM COORDINATOR OF AGRICULTURE EDUCATION

(AREA VOCATIONAL-TECHNICAL INSTITUTE)

DUTIES: SHALL WORK IN AN ASSIGNED GEOGRAPHIC AREA, AND BE RESPONSIBLE TO THE AREA VOCATIONAL-TECHNICAL INSTITUTE DIRECTOR IN THE
DISTRICT IN WHICH EMPLOYED WITH COORDINATION FROM THE STATE SUPERVISORY STAFF OF AGRICULTURE EDUCATION (ADULT SUPERVISOR OF AGRICULTURE EDUCATION).

SHALL BE RESPONSIBLE FOR COORDINATING ADULT ACTIVITIES WITH EMPHASIS ON ADULT FARM MANAGEMENT EDUCATION PROGRAM (AND VETERANS FARM COOP PROGRAM); ITS MAINTENANCE AND DEVELOPMENT.

SHALL BE RESPONSIBLE FOR COORDINATING SECONDARY AND POST-SECONDARY ACTIVITIES WITH EMPHASIS ON ARTICULATING SECONDARY/POST-SECONDARY OFFERINGS IN AGRICULTURE.

SHALL MAKE SUCH REPORTS AS ARE REQUIRED BY THE AREA VOCATIONALTECHNICAL INSTITUTE DIRECTOR AND STATE SUPERVISORY STAFF OF
AGRICULTURE EDUCATION (ADULT SUPERVISOR OF AGRICULTURE EDUCATION).

OUALIFICATIONS: SHALL MEET THE REQUIREMENTS OF AN ADULT TEACHER
OF VOCATIONAL-AGRICULTURE EDUCATION. SHALL HAVE THREE YEARS OF
SUCCESSFUL EXPERIENCE AS A TEACHER OF VOCATIONAL AGRICULTURE.

- . Adult: 65%
- . Post-Secondary: 10%
- . Secondary: 5%
- . Agribusiness/Industry: 10%
- Workshops/Communication: 10%

It is emphasized that these are <u>general</u> guidelines, which must be interpreted flexibly, depending on situations relating to time of year and other factors existing in the various coordinator areas.

3.2 ACCOUNTABILITY/DIRECTION

Accountability and Direction for the Program of area coordination in agriculture will be accomplished through the joint efforts of all involved, both statewide and locally. This includes the State Supervisory Staff of Agriculture Education (Adult Supervisor of Agriculture Education) as well as the Area Vocational-Technical Institute Directors where Area Agriculture Coordinators are employed.

Recommendation 3.2.1. A monthly work activity planning/
reporting procedure should become operational immediately. (See
Exhibit 15, for an example). The monthly work activity plan/
report should include signed approval by the Area Agriculture
Coordinator, the AVTI Director, and the Adult Supervisor of
Agriculture Education.

Recommendation 3.2.2. A statewide Advisory Committee, relating to area program coordination of agriculture education should be appointed, with the following representation:

- . Adult Directors Association
- . Area Vocational-Technical Institute Directors Association

EXHIBIT 15

STATE OF MINNESOTA

AREA PROGRAM COORDINATOR OF AGRICULTURE EDUCATION MONTHLY WORK ACTIVITY PLAN/REPORT

rea Program C ne copy for t	e as a narrative r oordinator of Agri he Area Vocational	culture Edu -Technical	cation. Institut	Please c e Directo	omplete r and
Adult Supervi	he State Superviso sor of Agriculture	Education)	. Pleas	e report	ation under
eadings liste	d below and make a Work-Activity A			ry.	Hours
	WOTK MEETVICY M	ecomp115ffet			110415
ADULT					5 5)1
POST - SECOND	ADV		£		
FOST #SECOND	ARI		27		
	99				
SECONDARY		34			
AGRIBUSINES	S/INDUSTRY				
MUNITEDOTALE	O) INDOOTNI				
WORKSHOPS/C	OMMUNICATION		(e 1)		
OTHER					
		10 24			
	wa				
		řů i		72.1	

- . Secondary Vocational Administrators Association
- . Minnesota Vocational Agriculture Instructors Association
- . Minnesota State Advisory Council for Vocational Education
- . University of Minnesota
- . Users: Agribusiness/Farm Operators/Farm Organizations

The State Supervisory Staff of Agriculture Education should serve as ad hoc members, and the committee's secretary should be the Adult Supervisor of Agriculture Education. The advisory committee will serve to help determine statewide needs, to establish priorities, and to maintain directions for work in area program coordination of Agriculture Education.

Recommendation 3.2.3. User groups defined in the study

(Vo-Ag educators - adult, post-secondary and secondary - school administrators, agribusiness/industry personnel, and farm operators) should continue to be approached in determining the need for, and defining priorities for, services of the Area Agriculture Coordinators.

Recommendation 3.2.4. The program of area coordination of agriculture education should continue to be assessed through efforts of the Vocational-Technical Division and the Statewide Advisory Committee relating to area program coordination, defined in Recommendation 3.2.2 above.

3.3 FUNDING

Exhibit 16 provides a summary of the possible funding patterns which have been investigated in the course of this study.

Recommendation 3.3.1. Funding for the program of area coordination for agriculture education should be provided 100 percent

POSSIBLE FUNDING PATTERNS

		STATE	1	7007	107AL
		*.01			
	<u>ADUL'T</u>	POST/SEC.	SEC.		<i>(</i> #
(A)	60%	20%	20%	-	[100%]
B	75	15	10	-	[100%]
(1)	7.5	15	5	5	100%
	70	. 15	10	5	100%
E	75	10	5	10	[100%]
F	7 5	25	* =	-	[100%]

by the State of Minnesota (75 percent adult and 25 percent postsecondary, for salaries, travel and secretarial services beyond temporary personnel for adult farm records analysis).

Recommendation 3.3.2. Funding, as proposed in Recommendation 3.3.1, should be instituted as soon as possible, but no later than July 1, 1977.

3.4 NUMBERS, WORKLOADS AND LOCATIONS

In addition to numbers of farm cooperators (adult farm records) a number of other indices must be taken into account in determining the size and number of areas for program coordination of agriculture education in Minnesota. These are:

- Total Instructors (Adult, Veterans, Post-High, and High School);
- . High Schools with agriculture;
- High Schools without agriculture (growth potential);
- AVTI's and Vocational Centers;
- . Land Area (square miles).

Potential numbers, for growth in programs, particularly in adult vo-ag education, must also be considered. A reasonable growth in potential service to already existing schools, including high schools, vocational centers and AVTI's, of 8-10 percent per year is anticipated.

Recommendation 3.4.1. If any adjustments in assigned geographic areas relating to the program of area program coordination of agriculture education are required, the present coordinators, as a group, should be involved, as has been done during the conduct of this study. This should be accomplished with the

coordination of the State supervisory staff of agriculture education. (Adult Supervisor of Agriculture Education).

Recommendation 3.4.2. The locations of area agriculture coordinators should continue to be at the analysis centers within AVTI's. Inasmuch as is possible and feasible, area coordinators should remain in the same AVTI locations as currently assigned, since their professional employment (including accumulated employee benefits) have been within specific school districts. The present coordinator areas (as of June, 1976) are shown in Figure 1.

Table 4 provides Area Agriculture Coordinator loads according to presently assigned areas.

Recommendation 3.4.3. The following alternatives are provided with respect to numbers of Agriculture Coordinator areas and/or Area Agriculture Coordinator loads. These alternatives are not necessarily listed in order of their potentials for providing a full-service program of area coordination for Agriculture Education in Minnesota. However, the assumption can be made that the larger the number of areas (i.e., coordinators), the greater the potential for full-services. Also, the determination of numbers of Coordinators must be made according to available funds.

Each alternative is documented with a figure (map) illustrating geographical areas and/or a table providing area agriculture coordinator loads, as follows:

- Alternative 1: Seven Areas, plus metropolitan counties (See Figure 2 and Table 5).
- Alternatives 2, 3, 4, and 5: Seven, Six, Five, and Four Areas, with Coordinator loads determined by dividing the total state coordinator loads, in each case, equally (See Table 6).

- Alternative 6: Seven Areas, metropolitan counties included (See Figure 3 and Table 7).
- Alternative 7: Seven Areas, utilizing combinations of Development Regions (See Figure 4 and Table 8).
- Alternative 8: Six Areas, metropolitan counties included (See Figure 5 and Table 9).
- Alternative 9: Five Areas, plus the metropolitan counties (according to the MECC regions) (See Figure 6 and Table 10).

Two other figures are provided for reference and as they relate to the alternatives listed above. These are Figure 7, the ten Educational Cooperative Service Unit (ECSU) regions, as combinations of development regions, and Figure 8, the (11-13) development regions utilized for regional planning within the State of Minnesota.

At its January 21, 1977 meeting, the State Area Agriculture Coordinators Study Advisory Committee passed a motion recommending Alternative 1, providing funds are available.

The advantages of Alternative 1 have been documented by the present, acting and retired area agriculture coordinators, as follows:

- . Equality of workload:
- Retention of accuracy and reliability in adult farm management educational programs;
- Consistency with respect to types of agriculture among the various areas;
- Opportunity for growth, with past accomplishments as bases for future growth and development;
- Ability to provide records analysis education on schedule (i.e., before spring plantings); and
- Efficiency of staff utilization, with respect to travel time and staff availability.

At its January 21, 1977 meeting, the State Area Agriculture Coordinators Study Advisory Committee passed a motion endorsing this study, performed by EMS, as well as this report and its recommendations in their entirety.

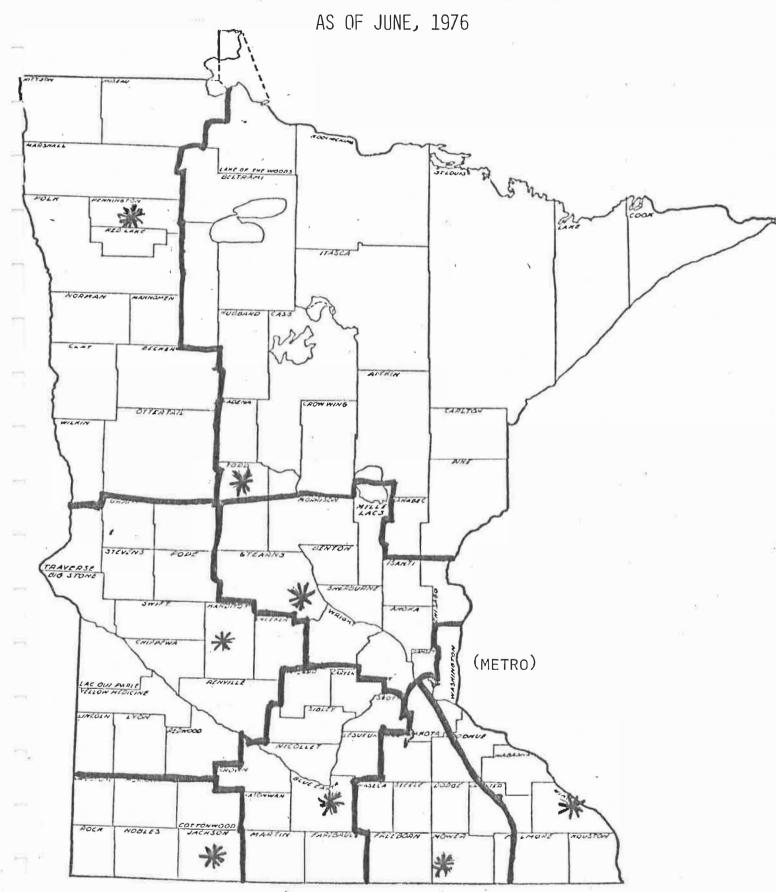
Bridging past experience with present knowledge and future challenge requires a rational planning process which:

- is based on all the data and information we have at our disposal;
- calls for an examination of basic assumptions, all of which may or may not stand tests of scrutiny;
- requires a need to listen to, and involve all, those who have an interest in the problem; and
- includes a willingness to preserve a successful program, but to make changes in it as appropriate for its successful future.

This study, with its recommendations for reinforcing a plan, has been designed and performed in this spirit, and in order to help Minnesota Vocational-Technical education continue to serve Minnesota agriculture well in the future.

Figure 1

PRESENT COORDINATOR AREAS: EIGHT





PRESENT COORDINATOR LOCATIONS

TABLE 4

COORDINATOR LOADS: PRESENT AREAS

	Thief River Falls	Staples	Willmar	. St. Cloud	Jackson	Mankato	Austin	Winona
Total Agricultural Instructors	77	78.5	114	96	50	73	75	48
Adult	17,	7.5	18.25	10,.5	12.5	14	20	7
Veterans	14	20	16	10.5	8	6	3	8
Post-High	9	17	16	27	7	7	9	3
High School	37	34	63.75	48	22.5	46	43	30
*Total Families Serves	1,167	772	855	-	674	865	1,055	512
*Total Records Analyzed	1,078	619	770	688	582	720	738	426
High Schools with Agriculture	36	28	52	40	20	41	33	21
High Schools without Agriculture	33	62	13	11	5	18	11	4
AVTI's and Vocational Centers	~ 1 5	11	20	10	1	10	5	3
Area (square miles)	14,129	28,568	10,815	6,253	3,696	5,980	4,337	3,733
#	1945							

^{*} Total Records Analyzed are less than Total Families Served due to multiple operation ownerships.

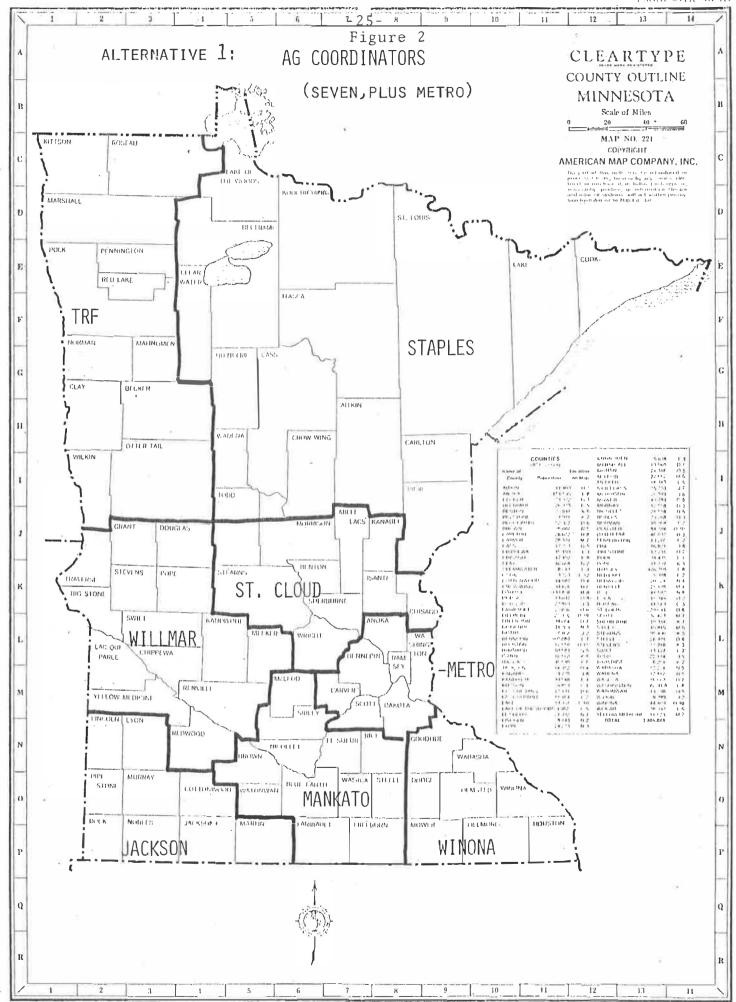


TABLE 5
COORDINATOR LOADS: ALTERNATIVE 1

	Thief River Falls	Staples	Willmar	St, Cloud	Jackson	Mankato	Winona	Metro
Total Agricultural Instructors	77	76.5	103	999	65	. 64	.73	50.5
Adult.	1.7	7.5	17.25	10	14.5	23.5	15	1
Veterans	14	20	14	10.5	10	7	10	0
Post-High	6	17	16	1	7	12	7	56
High School	37	32	55.75	45	33.5	54.5	41	23.5
High Schools with Agriculture	36	26	45	37	30	47	33	16
High Schools without Agriculture	33	62	11	7	12	14	6	6
AVTI's and Vocational Centers	15	10	18		4	11	Ŋ	Ŋ
Area (square miles)	14,129	28,044	9,575	6,198	5,639	6,602	5,119	2,820
				77				

TABLE 6

AREA AGRICULTURE COORDINATORS LOADS:

ALTERNATIVES 2, 3, 4, AND 5

86.9 15.1 12.2 13.5 46.0	101.4 17.6 14.2 15.8 53.7	121.7 21.1 17.1 19.0 64.4	152.1 26.4 21.3 23.7
15.1 12.2 13.5	17.6 14.2 15.8	21.1 17.1 19.0	26.4 21.3 23.7
12.2 13.5	14.2 15.8	17.1 19.0	21.3
13,5	15.8	19,0	23.7
46.0	53.7	64.4	3
		04.4	80.5
842.8	983.3	1180.0	1475.0
803.0	936.8	1124.2	1405.2
38.2	44.6	53.6	67.0
22.4	26.1	31.4	39.2
10.7	12.5	15.0	18.7
11,324	13,211	15,854	19,817
	22.4	22.4 26.1 10.7 12.5	22.4 26.1 31.4 10.7 12.5 15.0

^{*} Total Records Analyzed are less than Total Families Served, due to multiple operation ownerships.

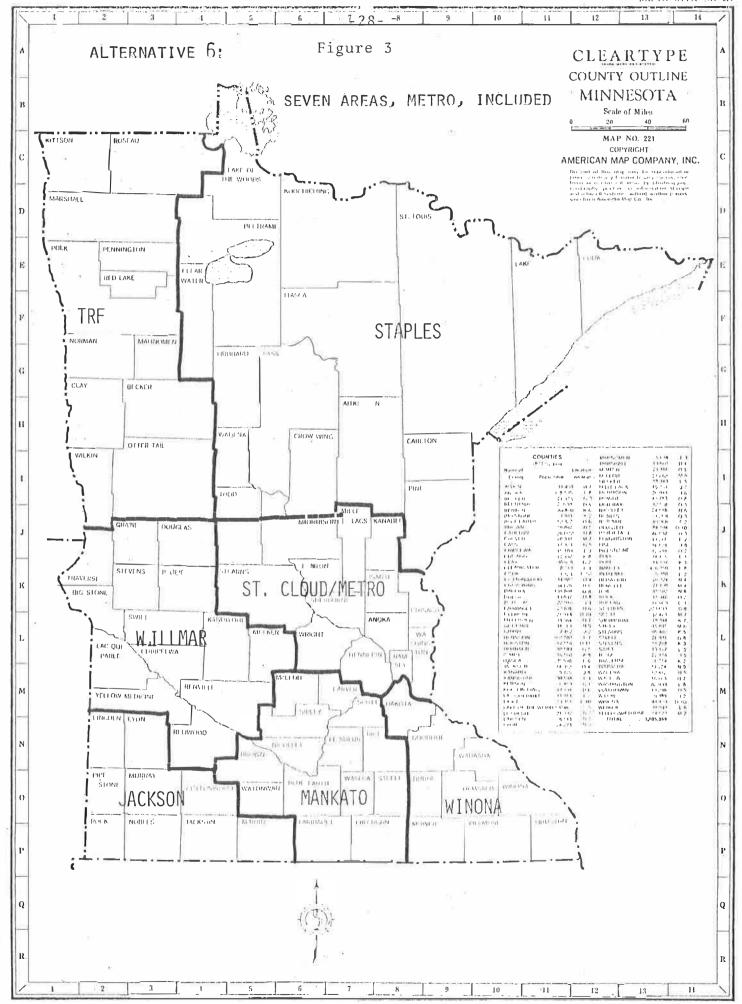


TABLE 7 COORDINATOR LOADS: ALTERNATIVE 6

Total Agricultural Instructors Adult	Thief	(*		5			
o -		Staples	Willmar	St.Cloud (Metro)	Jackson	Mankato	Winona
	77	76.5	1.03	101	65	105	79
	17	7.5	17.25	10.5	14.5	24	15
Veterans	1,4	20	14	10.5	10	7	10
Post-High	6	17	16	27	7	12	7
High School	37	32	55.75	53	33.5	62	47
High Schools with Agriculture	36	92	45	42	30	Š	36
High Schools without Agriculture	33	. 62	11	11	12.	1.8	10
AVII's and Voçational Centers	15	10	18	10	4	12	2
Area (square miles) 14,1	129	28,044	9,575	6,639	5,639	7,314	5,69.5

00060

211

Austin

RELIXIBERTOLEa

931 1930

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Rockester inona

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LILLMORE

MASECA

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RUCK

67

MURKAY

MODELLS

Pipestone

COTTOUWOOD

17

JACKSUIT.

55 Jackson

HAMMOTAL

CHARTER

". Mnkato

FARTBAULT

22

TABLE 8
COORDINATOR LOADS: ALTERNATIVE 7

	7	2-3-5	6E-6W	7E-7W-11	80	σ.	10
Total Agricultural Instructors	94	85.25	84	109.75	69	. 63	103
Adult	20	7.25	15.25	11,25	14.5	14.5	23
Veterans	17	23	11	8.5	10	Ŋ.	11
Post-High	11	15	15	29	7	9	12
High School	46	40	42.75	61.5	3.7.5	37.5	57
High Schools with Agriculture	44	31	.34	47	33	34	45
High Schools without Agriculture	37	59	9	21	_∞	14	12
AVTI's and Vocational Centers	, 20	6	14	13	4	7	∞
Area (square miles)	16,554	29,868	6,201	9,034	5,810	5,064	6,741

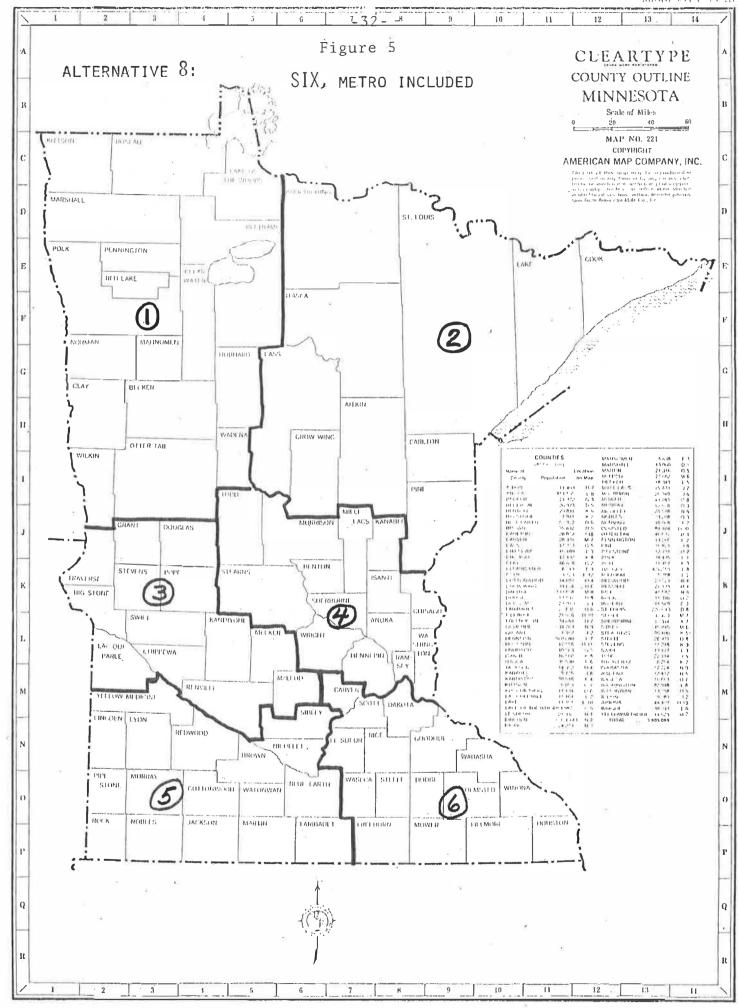


TABLE 9

COORDINATOR LOADS: ALTERNATIVE 8

e .	1	2	3	4	S	9
Total Agricultural Instructors	93	46.5	06	117	134	128
Adult	20	1.5	15.25	13.5	29	26.5
Veterans	17	11	13	12,5	16	12
Post-High	6	13	14	. 31	16	12
High School	43	21	47,75	09	73	77.5
High Schools with Agriculture	42	16	39	46	64	61
High Schools without Agriculture	41	53	.12	12	20	19
AVTI's and Vocational Centers	18	ľ	15	13	12	6
Area (square miles)	20,821	22,360	8,436	7,834	10,772	8,884
	14					

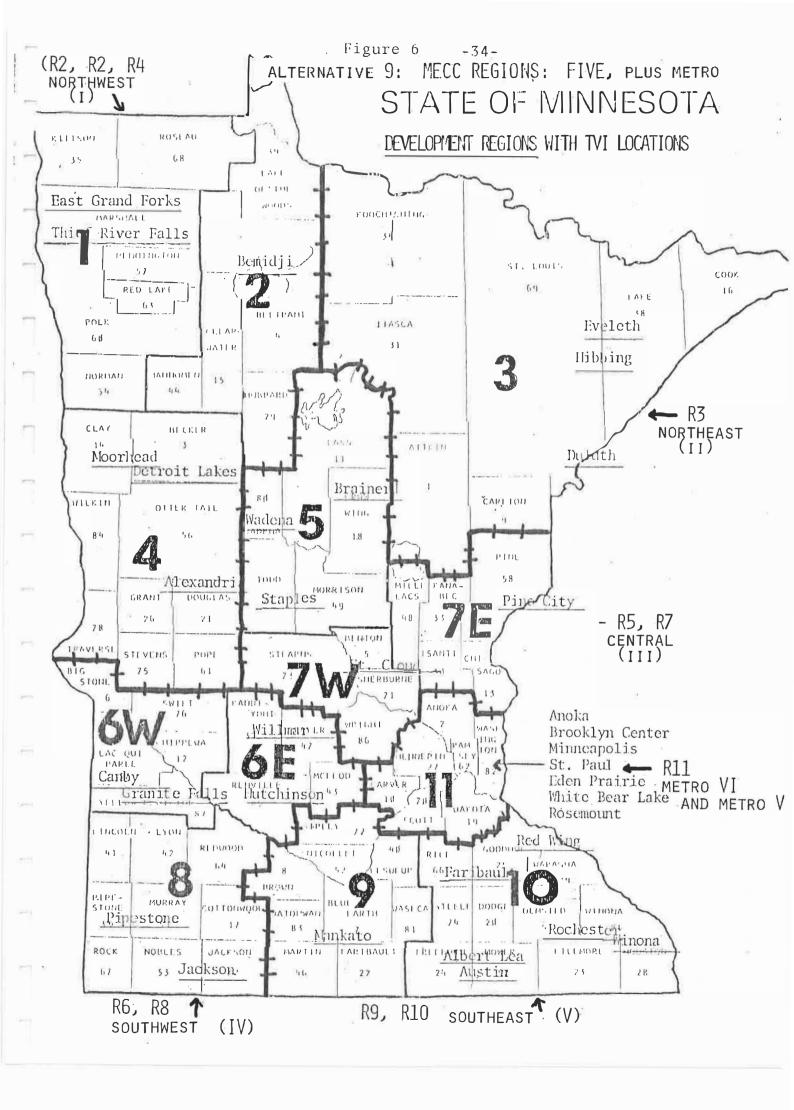


TABLE 10
COORDINATOR LOADS: ALTERNATIVE 9: MECC REGIONS

	I Northwest (R1,R2,R4)	II Northeast (R3)	III Central (RS,R7E,R7W)	IV Southwest (R6E,R6W,R8)	V Southeast (R9,R10)	VI-VII Metro (R11)
Total Agricultural Instructors	107	25.25	106.75	153	166	50.5
Adult	22	.25	15.25	29.75	37.5	7,0
Veterans	23	∞	17.5	21	16	0
Post-High	.11	2	16	22	18	26
High School	51	15	28	80,25	94.5	23.5
High Schools with Agriculture	49	13	46	29	79	14
High Schools without Agriculture	46	36	24,	14	56	6
AVTI's and Vocational Centers	21	Ċ	14	18	15	ις
Area (square miles)	22,873	17,953	11,812	12,020	11,805	2,820
	- 5					

4. EXHIBITS

- Exhibit 2 Survey of Services to Users: Vo-Ag Educators
- Exhibit 3 Survey of Services to Users: School District Administrators
- Exhibit 4 Survey of Services to Users: Agribusiness and Industry
- Exhibit 5 Survey of Services to Users: Farm Operators
- Exhibit 6 Profile of Functions: Coordinators
- Exhibit 7 Profile of Functions: AVTI Directors
- Exhibit 8 Profile of Functions: Vo-Ag Educators Overall
- Exhibit 9 Minnesota Agriculture Coordinators: Services Provided
- Exhibit 10 Minnesota Agriculture Coordinators: Services Provided
- Exhibit 11 Advisory Committee Roster
- Exhibit 12 Vo-Ag Coordinators Roster

MINNESOTA AREA AGRICULTURE COORDINATORS STURY SURVEY OF USERS OF SERVICES: VOCATIONAL-AGRICULTURE EDUCATORS

Currently there are Area Agriculture Coordinators operating through the area Vocational-Technical Institutes in the following communities: Thief River Falls, Staples, St. Cloud (Acting), Willman, Munkato, Winona, Austin and Jackson.

Educational Management Services is conducting a study of the Area Agriculture Coordinators in Minnesota, which includes a survey of users of services provided by the Area Agriculture Coordinators. You, as a Vocational Agriculture Educator, will help us a great deal by taking a few minutes to respond to this questionnaire. Thank you.

1.	BACKGROUND:
1	DUCUOUND

Α.	Your	School	District:		
/ \ /	1041	CCHOOL	DISCITCE.		

B. Your Vocational-Agriculture Area (you may check more than one):

53.5% Secondary 11.0 Post-High 35.9 Adult

2. AVAILABILITY/UTILI ZATION OF SERVICES:

A. To what extent have you found available, used, and benefited from services provided by your Area Agriculture Coordinator, in the following areas?

	Coordinator Services	Available?	Used?	Ben	efited?	, o 4
		Yes No	Yes No	Little	Some	Much
	Planning Teaching Activities Innovations in Teaching Planning New Facilities Planning for Program Growth Suggestions for greater	83.8% 16.2% 78.8 21.2 73.5 26.5 86.0 14.0	71.5% 28.5% 60.1 39.9 34.2 65.8 68.5 31.5	41.1% 28.2 40.8 21.8	39.5% 51.0 35.2 45.2	19.4% 20.8 24.0 33.0
*	Teaching Effectiveness Teaching Materials Increasing Knowledge of	$\begin{array}{c} 83.1 & 16.9 \\ 87.5 & 12.5 \end{array}$	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	$\frac{23.4}{16.8}$	$\frac{50.2}{45.3}$	26.4 37.9
•	Farm Management Program Articulation	94.3 5.7	81,4 18.6	<u>11.8</u>	<u>29.2</u>	59.0
*	(Secondary/Post-High/Adult) Workshps/Professional	88.0 12.0	66.6 33.4	24.9	48.6	26.5
*	Improvement Courses Opportunity to consult with	93.4 6.6	87.4 12.6	9.9	37.2	52.9
•	a vo-ag educator who has no administrative authority over y	ou 92.8 7.2	84.0 16.0	13.6	45.9	40.5
٠	Interpretation of Farm Business Analysis	94.8 5.2	80.4 19.6	9.7	21.9	68.4
*	Other (please specify)	8	90.000 00000	A	15-150	

B. Would the Farm Records Analysis be effective without the Area Coordinator's Services?

8.9% Yes; 90.3 No

Why?

C. What services would be helpful which are not currently provided by the Area Coordinator, and how can they be provided? (Please use opposite side of page if more room is needed)

3. AREAS OF CONCENTRATION/FINANCING:

- A. What percentage of the area Agriculture Coordinator's efforts should be concentrated in the following (you may indicate more than one; total of percentages should be 100%):
 - 47.2 Adult; 26.1 Post-High 32.0 High School; ___ All three equally.
- B. The area Agriculture Coordinator position should be financed by (you may check more than one):
 - 21.1 Area Vocational-Technical Institute (Local Districts)
 - $53\underline{.1}$ Minnesota Department of Education
 - 5.3 University of Minnesota
 - .1.2 Other (Please specify)
 - 19.3 Combination of above

MINNESOTA AREA AGRICULTURE COORDINATORS STUDY SURVEY OF USERS OF SERVICES: SCHOOL DISTRICT ADMINISTRATORS

Currently there are Area Agriculture Coordinators operating through the area Vocational-Technical Institutes in the following communities: Thief River Falls, Staples, St. Cloud (Acting), Willmar, Mankato, Winona, Austin and Jackson.

Educational Management Services is conducting a study of the Area Agriculture Coordinators in Minnesota, which includes a survey of users of services provided by the Area Agriculture Coordinators. You, as a School District Administrator, will help us a great deal by taking a few minutes to respond to this questionnaire. Thank you.

1.	BACKGROUND:
⊥ .	INCICINOUNI).

A.	Your School District:	54
В.	How many years have you been in this School District?	10.5
C	Number of Vestional-Agriculture Instructors in your D	istrict:

C. Number of Vocational-Agriculture Instructors in your District:

1.3Secondary

1.6 Adult

3.8 Post-Secondary

D. Do you have an Area Agriculture Coordinator in your District? 51.9% Yes; 48.1% No

E. How extensively have you worked with the Area Agriculture Coordinator in your area?

25.0% very much; 43.8% some; 31.2% little

2. AVAILABILITY/UTILIZATION OF SERVICES

A. To what extent have you found available, used, and benefited from services provided by your Area Agriculture Coordinator, in the following areas?

Coordinator Services	Available?	Used?	Benefited?	
	Yes No	Yes No	Little Some	Much
. Initiating/Developing New Vo-Ag Programs . Planning New Facilities . Planning for Program Growth:	$\begin{array}{c} 97.4\% & 2.6 \\ 89.77 & 5.7 \end{array}$	$\begin{array}{c} 72.5 & 27.5 \\ 27.5 & 72.5 \end{array}$	20.0 34.3 60.1 26.1	45.7
- Adult Farm Minagement - Veterans Farm Program - High School - Post Secondary	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	87.5 12.5 66.6 33.4 59.0 41.0 45.2 54.8	10.8 43.3 28.1 28.1 36.7 46.7 54. 5 27.3	45.9 43.8 16.6 18.2
 Recruiting/Evaluating/Locating Available Vo-Ag Instructors 		55.8 44.2	43.8 21.9	34.3
Program Articulation (Secondary/ Post High/Adult) Workshops/Professional Improvement Cours Consultations with School Board Members	94.3 - 5.7 es9 $1.2 - 8.8$	$\begin{array}{c} 60.5 \\ 62.2 \end{array} \begin{array}{c} 39.5 \\ \overline{37.8} \end{array}$	33. <u>3</u> 53. <u>3</u> 41. <u>4</u> 27. <u>6</u>	$\frac{13.4}{31.0}$
and/or Advisory Council Members Consultations with School District	94 <u>.4</u> 5.6	55 <u>.3</u> <u>44.</u> 7	51.7 27.6	20.7
Administrators Other (Please specify)	97 <u>.4</u> _2.6	75.0 25.0	30.3 48.5	21.2

B. What services in areas of vocational agriculture would be helpful which are not currently provided by the Area Coordinator, and how can they be provided? (Please use opposite side of page if more room is needed)

3. AREAS OF CONCENTRATION/FINANCING:

- A. What percentage of the area Agriculture Coordinator's efforts should be concentrated in the following? (You may indicate more than one; total of percentages should be 100%):

 44.8 Adult; 28.9 Post-High; 33.4 High School; All three equally.
- B. The area Agriculture Coordinator position should be financed by (you may indicate more than one; total of percentages should be 100%):
 Per Cent of Total

57.8	Area Vocational-Technical Institute (Participating Local	Districts)
76.4	Minnesota Department of Education	
41.6	University of Minnesota	
	Other (Please specify)	6

MINNESOTA AREA AGRICULTURE COORDINATORS STUDY SURVEY OF USERS OF SERVICES: AGRIBUSINESS AND INDUSTRY

Currently there are Area Agriculture Coordinators operating through the area Vocational-Technical Institutes in the following communities: Thief River Falls, Staples, St. Cloud (Acting), Willmar, Mankato, Winona, Austin, and Jackson. One of the major areas of their work includes the operation and coordination of Adult Farm Management Programs, through local vocational-agriculture instructors and a Regional Analysis Center.

Educational Management Services is conducting a study of the area Agriculture Coordinators in Minnesota, which includes a survey of users of services provided by the Area Agriculture Coordinators and vocational-agriculture instructors. You, as a person in Agribusiness or Industry, will help us a great deal by taking a few minutes now to respond to this questionnaire, and returning it in the self-addressed, postage-paid envelope attached. Thank you.

	BAG	CKGROUND:
	Α.	Your Community
	В.	How many years have you been in an agribusiness or industry served by Minnesota Vocational-Agriculture education? 16.7
	AV/	ATLABILITY/UTILIZATION OF SERVICES:
17	Α.	To what extent have you found available, used, and benefited from services provided by your Area Agriculture Coordinator and/or Vocational-Agriculture instructors in the following areas:
		Available? Used? Benefited?
		Yes No Yes No Little Some Much
	•	Information on farm management 100% 0% 92.0% 8.0% 5.0% 17.5% 77.5% (e.g. from average books)
	•	Farm Business Analyses in making decisions to extend credit to clients 94.7 5.3 75.0 25.0 13.8 44.8 41.4
	•	Conferences with Area Agriculture Coordinator or Vocational-Agriculture Instructor 95.8 4.2 89.6 10.4 11.1 28.9 60.0
	•	Other (please specify):
	В.	Do you believe that the farm business management classes conducted in your community have a positive monetary effect on your community?
		96.8% Yes; 1.6% No; 1.6% Don't know
	С.	Do you think that the information provided by the farm business management program is valid? 100% Yes; 0% No
	D.	Is farm management data for your clients available to you from sources other that vocational-agriculture that are as current and relevant?
		4 <u>5.8</u> % Yes; <u>54.2</u> % No
	Ε.	Would the Farm Records Analysis be effective without the services of the Area Agriculture Coordinator? 1.9% Yes; 73.1 No; 25.0 Don't know
	ŕ.	What services would be helpful which are not currently provided by the Area

Coordinator and/or vocational-agriculture instructor and how can they be provided? (Please use opposite side of page if more room is needed.)

MINNESOTA AREA AGRICULTURE COORDINATORS STUDY SURVEY OF USERS OF SERVICES: FARM OPERATORS

Currently there are Area Agriculture Coordinators operating through the area Vocational-Technical Institutes in the following communities: Thief River Falls, Staples, St. Cloud (Acting), Willmar, Mankato, Winona, Austin, and Jackson. One of the major areas of their work includes the operation and coordination of Adult Farm Management Programs, through local vocational-agriculture instructors and a Regional Analysis Center.

Educational Management Services is conducting a study of the Area Agriculture Coordinators in Minnesota, which includes a survey of users of services provided by the Area Agriculture Coordinators. You, as a Farm Operator, will help us a n

1.	BACKGROUND:

reat.c	hrea Agriculture Coordinators. leal by taking a few minutes now t in the self-addressed, postage	to respond to th	is questionnair	e, and re	etur-
. <u>B</u> AC	CKGROUND:				
Α.	Your School District:			81	×1
В.	How many years have you been:				
	• A Farm Operator? 18.8				
	• Enrolled in an Adult Farm Ma	anagement Program	? 10.9	_	
С.	Are you currently enrolled in a	a Farm Management	Program? 95.0%	Yes; 5	.0% No
. <u>A</u> V	ALABILITY/UTILIZATION OF FARM'M	NAGEMENT PROGRAM	S:	¥.	
P. A.	To what extent have you used an and information provided by the vocational-agriculture instruc-	e Area Agricultur	e Coordinator a		
	Areas of Information	<u>Used?</u> Yes No	<u>Little</u>	efited? Some	Much
	Making plans and decisions in Farm Management	100.0% 0.0%	0.0%	18.8%	81.2%
	• Obtaining credit	68.7 31.3	16.3	44.9	38.8
	• Income Tax Planning "	94.3 5.7	12.5	14.1	73.4
	 Sharing farm management practices with other farm operators 	97.2 2.8	4.5	50.0	45.5
	• Other (please specify):				
В.	Is farm management analysis day educators received by you in the	ta provided by Mi	nnesota vocations?	nal-agric	culture
	9 <u>2.9%</u> Yes; 7	.1% No			
С.	Is farm management data based of than vocational-agriculture as			rom sourc Yes; 7	ces other
D.	Do you think there will be a tr no longer need adult farm manag	ime while you are gement education	operating a far programs? 9.5%	rm when y	you will
Ε.	Would the Farm Records Analysis Agriculture Coordinator?	s be effective wi	thout the servi	ces of th	ne Arca
	0% Yes; 94.	5% No;	5.5% Don't kno	Οlv	8

F. What services from vocational-agriculture instructors would be helpful which are not currently provided, and how can they be provided? (Please use opposite side

of page if more room is needed.)

PROFILE OF FUNCTIONS: PRIORITY AND TIME DESIGNATIONS MINNESOTA AGRICULTURE COORDINATORS

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PLEASE RETURN TO: FRED C. MCGRMICK

EDUCATIONAL MANAGEMENT SERVICES, INC. 4510 WEST 77TH STREET, SUITE 150 PH. MINNEAPOLIS, MINNESOTA 55435

PHONE: (612)831-1819

(100%) TOTAL

PHONE: (612)831-1819

EDUCATIONAL MANAGEMENT SERVICES, INC. 4510 WEST 77TH STREET, SUITE 150 PH MINNEAPOLIS, MINNESOTA 55455 PH

PLEASE RETURN TO: FRED C. McCORMICK

DATE;_

MINNESOTA AGRICULTURE COORDINATORS PROFILE OF FUNCTIONS: PRIORITY AND TIME DESIGNATIONS

EXHIBIT 7

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MINNESOTA, AGRICULTURE COORDIN/TGRS: SERVICES PROVIDED

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SERVIDERGO, STROB	S 3 : : : : : : : : : : : : : : : : : :	TIME ALLOCATION (Weeks/Yoar)	POPULATION(S) SERVED	NUMBERS SERVED
Develop methods to help Farm Man- agement and Vers Ag Instructors do their job easier and better and implement Changes	In-Service Workshops, individual instruction	8 weeks	Farm Nanagement & Vets Ag Instructors	30 Instructors
Develop new Farm Management and Coop. Instructor units	Contact schools and appear at board meetings	.4 weeks	Scnool Administrators & boards, and Farm Management & Wets Ag Instructors	Fergus Falls, Underwor Frazee, Perham, Rosco Warroad, Ada, Borut. Deer Creek, Henning, Battle Lake, Halstac, New York Mills, Gary,
į.	5			Mannomen, Maubun, Grygliewfolden, Mad dle Rive
Develop Community College Ag curປໄປຕ ຊີ lmplement	Contact Fergus Falls % Northland Community Colleges	2 weeks	Graduating students in areas served by these two colleges	2 colleges
Coordinate & direct Vo Ag Farm Conagement analysis	Direct center at Thief River Falls & 8 satellites at Climax, Fertile, Fosston, Detroit Lakes, Hawley, Barnesville, Pelican Rapids, and Ferous Falls.	16 weeks	Farmers in Northwestern Minnesota	1200
	Train new satellite operation at Roseau.		7	
Continue the development 8 make operative the new monthly mail-in analysis program	Involve user farmers & instructors work with Dr. Persons & computer center	c- 5 weeks	Farmers in Minnesota	20% of total users
es es es f	se Return To:	Fred C. McCormick Educational Management Services, 4510 West 7 th Street, Suite 150 Minneapolis, Minnesota 55455	lnc (612) S51-1819	** *** *** ***

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EXHIBIT 10

MINNESOTA AGRICULTURE COORDINATORS: SERVICES PROVIDED

NUMBERS SERVED

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	POPULATION(S) SERVED	Adult teachers Bankers and other credit people Farm families	Veterans on farm Instructors	All high-school teach e rs	High-school teachers AVTI instructors	All instructors	All instructors U. of M. State staff	, Inc. (612) 831-1819
	TIME ALLOCATION (Weeks/Year)	3 weeks	1/2 week	2 weeks	2 weeks	2 weeks	30 weeks	ff. Fred C: McCormick Educational Management Services, 4510 West 77th Street, Suite 150 Minneapolis, Minnesota 55435
	TIME ACTIVITIES (Wee	Update data. Work with instructors. Work with credit agencies. Make presentations to farm groups.	Interview teachers. Teach classes for instructors.	Personal interviews with 2 w teachers and counsellors. Group meetings of teachers.	Materials exchange days. Distributing up-to-date and high quality materials to teachers for their use.	Arrange for farmer meetings. 2 w Help to select the speakers. Help arrange for field-days.	Supervise clerical staff. 30 w Work with adult teachers. Work with computer staff. Work with other coordinators,	State Dept. of Ed. state Perurn To:
NAME	GOALS/OBJĒCTIVES	Prepare and update instructional materials in farm management.	Assist other coordinators to evaluate farm management and veteran programs in farm management.	Develop an improved attitude toward AVTI's on the part of secondary teachers and counsellors.	Assist high-school instructors in up-dating course materials.	Offer leadership for a quality beef program in the area.	Operate and coordinate Farm Management program in the area.	Pleas

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EXHIBIT 10 (Continued)

MINNESOTA AGRICULTURE COORDINATORS: SERVICES PROVIDED

NUMBERS SERVED

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ē:	POPULATION(S) SERVED	Teachers new to the area	Secondary teachers	All teachers	All secondary teachers	All secondary teachers
	TIME ALLOCATION (Weeks/Year)	2 weeks	, week] week	.A. 12 weeks	es] week lege
	ACTIVITIES	Personal visits with teachers. New teacher class sessions.	Help teachers plan up-to-date programs. Use semester and quarter schedules. Increase use of mechanical and natural resource classes and agribusiness courses.	Off-campus courses. Workshops. Group teacher meetings.	Southern Minnesota and F.F.A. Show. National Barrow Show. Spring Barrow Show. National Lamb Show.	Talk to advanced Ag. classes about Jr. College, Ag. College and Voc. Schools
NAME	GOALS/OBJECTIVES	Orient new teachers in the area to activities and instructional work.	Work toward increased enrollment in Vo-Ag programs.	Encourage professional improvement.	Promote effectiveness of F.F.A. contests and shows.	Promote careers in Agriculture.

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