Solutions To Recruitment Issues of High School Agricultural Education Programs

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Abstract

Attracting and retaining quality students in agricultural education programs remains one of the most difficult problems faced by the profession. Much of the research that has been conducted addressing this problem has focused on the identification of obstacles to successful recruitment. This study focused on identifying solutions to those problems. Focus groups were organized in four states that had previously experienced enrollment declines, but have since rebounded. Eighteen issues were identified and solutions suggested to address each of those issues. Leading the list of issues were teacher quality and commitment, program quality, focus on production agriculture, perceived career opportunities, salary considerations, image of agriculture and the program, and availability of agriculture programs to students. Solutions focused on the preparation and hiring of quality teachers, adapting the curriculum to more accurately identify agriculture with science and technology, recruiting high quality students, providing meaningful activities and instruction, and promoting the agriculture program.
Introduction

Quality students are the lifeblood of a secondary school agricultural education program. Whether a program adheres to a strictly vocational philosophy or endeavors to breach the chasm to an academic focus, a continuous supply of students is essential to accomplishing the goals of the program.

Over the past several decades, enrollment in secondary agricultural education programs has oscillated from all-time highs to near all-time lows (Breja & Dyer, 1999). Although a number of studies have been completed to examine ways to increase and maintain enrollment in post-secondary programs (Dyer, Breja, & Wittler, 2000; Fanno & Cole, 1999), little has been done to study ways in which agricultural education professionals can stabilize the variation in student enrollment in secondary agricultural education programs.

According to the National Research Council (1988), agriculture is a topic that is too important to be taught to only a relatively small percentage of students. Yet, after experiencing peak enrollments in 1977 (National FFA Organization, 1986), high school agriculture enrollments declined by as much as 60% in the 1980s (Dyer & Osborne, 1994). While many programs across the country have experienced enrollments approaching those of the 1970s, other programs have closed due to the inability of the program leader to entice students to enroll in agriculture courses (Speer, 1998). This vacillation of program demand places the mandate of the National Research Council at risk.

According to Marshall, Herring, and Briers (1992), factors that have been found to influence a student’s decision to either enroll or not to enroll in an agricultural education course are the characteristics of the course, enhancement of personal identity, interest in the agricultural field, practical application of information in a future career, encouragement from significant others, and circumstantial or disavowance reasons. These findings would suggest that providing a strong agricultural education curriculum and informing both the students and those important to the student (i.e., parents, friends, siblings) about the agricultural education program should improve enrollment.

Other studies have examined the differences in needs and reasons for enrollment among minority groups (Bell & Fritz, 1992; Cano & Bankston, 1992; Jones & Bowen, 1998; Newson-Stewart & Sutphin, 1994; Sutphin & Newson-Stewart, 1995; Talbert & Balschweid, 2001; Talbert & Larke, 1995; Turner & Herren, 1997). Several studies have shown that minority students are less likely to view agriculture as a career choice due to negative perceptions of agricultural education, the FFA, and the agriculture industry in general (Jones & Bowen, 1998; Talbert & Larke, 1995). These studies also found that different groups of people are motivated to enroll in courses and participate in activities by different forces. Sutphin and Newson-Stewart (1995) reported that males responded to social pressure to enroll more than do females. Also, females were more likely to enroll in agriculture courses to develop life and teamwork skills.

Other studies have examined the strategies used by agriculture teachers who have been successful in recruitment of students (Myers, Dyer, & Breja, 2002). Strategies such as contact with feeder schools, individual contact by the agriculture teacher and student contact with other
potential students, utilization of the FFA, a strong agriscience curriculum, and use of support
groups of the agricultural education program and the FFA chapter were found to be effective.

According to Dyer and Breja (2000), the major obstacles to the successful recruitment of
students into agriculture programs are those associated with scheduling difficulties, guidance
counselor support, competition from other programs and activities, image of agriculture, access
to students, administrative support, and teachers having time to recruit. In study after study, the
same problems to recruitment surfaced, a poor image of the agricultural education program,
agriculture in general or the FFA (Bell & Fritz, 1992; Breja & Dyer, 1999; Breja, Ball, & Dyer,
2000; Croom & Flowers, 2001; Gliem & Gliem, 2000; Hoover & Scanlon, 1991a, 1991b; Jones
& Bowen, 1998; Newson-Stewart & Sutphin, 1994; Talbert & Larke, 1995; Thompson &
Russell, 1993). In addition to a poor image, students often did not perceive any future value in
enrolling in agricultural education courses (Bell & Fritz, 1992; Conroy, 2000; Fanno & Cole,
1999; Gliem & Gliem, 2000; Hoover & Scanlon, 1991a). Even though these obstacles have been
identified; little has been done to study the solutions to these well-documented problems in
recruiting.

Exploration into the recruiting problems faced by high school and university agricultural
education programs is relatively new, most of which has occurred during the last decade. As
such, the existing literature base on this theme is comparatively shallow in that it has generally
focused on explaining enrollment patterns and/or identification of barriers to enrollment (Breja et
al., 2000; Conroy, 2000; Croom & Flowers, 2001; Gliem & Gliem, 2000; Hoover & Scanlon,
1991a; Marshall, Herring, & Griers, 1992; Reis & Kahler, 1997; Thompson & Russell, 1993).
Whereas these studies have provided an excellent understanding of the problems facing
agricultural education in recruiting students, a dearth of research exists on solutions to those
problems. While it is good to understand the obstacles to successful recruiting, what is really
needed is an understanding of the solutions to recruitment problems. This study sought to
explore those solutions.

Purpose and Objectives

The purpose of this study was to identify problems and workable solutions for recruiting
students into secondary agricultural education programs. Specifically, this study sought to
identify issues encountered by agriculture teachers in recruiting students and to identify solutions
to those obstacles.

Methods/Procedures

This qualitative effort used a focus group approach to meet the objectives of the study.
Interview questions for the leaders were designed to gain an understanding of the issues facing
agricultural education, as experienced by each of the respective groups of individuals composing
the focus group, and to solutions for each of the problems identified. Focus groups were
composed of high school teachers, administrators, guidance counselors, and students; state
agricultural education staff; university students who had completed high school agricultural
coursework; and university faculty in teacher education, leadership, and communication. Teams
of respondents were identified in two Midwestern and two Southern states. Each of the states
represented had previously experienced declining high school agriculture enrollments, but had reversed the trend and were now experiencing an increase in enrollments. The Nominal Group Technique was used to identify problems facing agricultural education in each state followed by discussion sessions focusing on methods to overcome those problems. Focus group sessions ranged from 3-5 hours in length. At the conclusion of each session, notes were transcribed and summarized into matrices matching issues with solutions.

Results

The objectives of this study were to identify issues encountered by agriculture education teachers in recruiting students and to identify solutions to those obstacles. Eighteen issues were identified by the various focus group members. As indicated in Table 1, many of these issues included topics already identified in the research base. However, several new issues emerged.

The primary issue facing agricultural education programs in the successful recruitment of students was identified as teacher quality and commitment. The suggested solutions to this problem dealt with more effective teacher preparation both in teacher education programs and in inservice programs delivered to current teachers, and to recruit and certify high quality individuals.

The second most often identified issue affecting recruitment of students into agricultural education programs is the quality of the program. Respondents recommended an agriscience focus in program curricula, the hiring of quality teachers, and a focus by university faculty and state staff on helping teachers address program quality issues.

The image of the program and of agricultural education as representing only the production phase of agriculture (farming), was the third most often cited issue. Group members suggested that teacher education programs prepare students to focus on aspects of agriculture other than farming; and for teachers to teach using an agriscience curricula, FFA activities that do not require farm backgrounds for participation, and non-traditional SAEs. Furthermore, the groups recommended a public relations program be instituted by teachers to convey agriculture‟s scientific and technological contributions.

Group members indicated that students believe there are limited opportunities in agricultural education. The identified solutions to this problem revolved around the creation of a placement program for students (including “placement” in college), and the documentation of student success for those students enrolled in agricultural education programs. Students’ perception that teaching salaries are low, compared to other college graduates, was a related issue identified by group members. Groups generally felt this was not an accurate perception, but expressed the need to convey an accurate message to students through record maintenance and conveyance to students. The group also identified extended contracts (12 months) as a way to increase salaries.

The image of agriculture in general was another major obstacle to the successful recruitment of students. A public relations program that accurately depicts the scientific nature of agriculture, and educates clients, was the most often cited solution to this problem.
In addition to the image of agriculture, the image of the department — its students and teachers — was another issue identified by focus groups. Group members suggested an increase in the level of expectations (“raising the bar”) and focusing recruitment efforts on enrolling high quality students as solutions to this problem.

The issue of availability of agriculture programs to all students manifested itself in several issues: Program not offered, scheduling problems, students involved in other programs instead of agriculture, and competition from other programs. Solutions such as implementing block scheduling, adding quality teachers, increased public relations efforts, cooperating with other programs and faculty, and an overall suggestion of making the program into one in which students want to be involved, were emphasized by group members. Likewise, an emphasis by state staff and teachers (through their teacher organizations) on the inclusion of agricultural education programs in schools where programs do not currently exist was suggested by participants.

Group members recognized that some students may not be interested in agricultural subject matter, even if an agriculture program were available. However, members suggested that if the focus of agricultural education moved from “production” to “consumption” agriculture, interest would be generated.

Sometimes a past negative history of a program is a deterrent to enrollment, even if the program has changed. Groups suggested that new curricula, new teachers, and an effective public relations program that promotes the “new” program to clients would address this issue.

The physical and aesthetic conditions of facilities were also listed as obstacles to recruitment. Members suggested that teacher education faculty emphasize this aspect of an agricultural education program and that teachers promote organization, both in their own activities and in those of their students.

The support given by administration was also listed as an issue to be addressed. An effective public relations program, quality curriculum that addresses state and national standards, and assistance given to beginning teachers and their principals, were listed as solutions by group members.

Group members indicated that oftentimes, even though a recruitment program is being used, the focus of the recruitment program is too narrow. The groups suggested that all students need to be recruited — males/females, students from farm/rural/suburban/urban backgrounds, ethnically diverse populations, students varying academic levels, etc.

Group members recognized the influence of an active FFA chapter on student recruitment and listed an inactive chapter as an issue. It was suggested that teachers adhere to high expectations for student, encourage and reward participation, promote FFA to clients, provide opportunities early and often to students, and to use the FFA as an extension of the classroom — an application of learning.
The final issue identified by the focus groups was a lack of understanding of the FFA and SAE by teachers. Some groups expressed a concern that teachers feel the need to participate in every FFA activity sponsored by the National FFA Organization, leading to burnout. The concern was also expressed that this also encourages teachers to primarily focus on competition rather than instruction. Likewise, it was expressed that SAEs have lost their experiential learning focus and have instead become little more than record-keeping conduits for students to attain awards and degrees.

Table 1

<table>
<thead>
<tr>
<th>Issues</th>
<th>Solutions</th>
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<tbody>
<tr>
<td>Teacher quality and commitment</td>
<td>• Increase the quality of teacher preparation through more effective in-service and pre-service programs</td>
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<td></td>
<td>• Professional development of teachers</td>
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<td></td>
<td>• Recruit quality students into teacher certification programs and certify only quality teachers</td>
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<tr>
<td>Program quality</td>
<td>• Curriculum changes (agriscience focus)</td>
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<td></td>
<td>• Certify only quality teachers</td>
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<td></td>
<td>• Provide inservice programs for teachers on program quality issues</td>
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<tr>
<td>Agricultural education is equated to “farming”</td>
<td>• Update teacher preparation programs</td>
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<td></td>
<td>• Provide inservice education programs on scientific nature of agriculture</td>
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<td></td>
<td>• Focus agricultural education curriculum on agriscience</td>
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<td></td>
<td>• Focus on FFA – agriculture background not needed for success</td>
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<td></td>
<td>• Public relations – convey agriculture’s scientific/technological image to public</td>
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<td></td>
<td>• SAEs – expand to include non-traditional SAEs</td>
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<tr>
<td>Perceived career opportunities for teachers</td>
<td>• Maintain records of student placements and promote those statistics</td>
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<tr>
<td></td>
<td>• Develop placement program that focuses on high quality career opportunities</td>
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</table>
| Teacher salaries | • Public relations – maintain records and promote facts of salaries, benefits, etc.  
| | • Extended contracts for teachers  
| | • Provide teachers with information on careers and salaries – information to be used for recruitment  
| Image of agriculture | • Educate local administrators  
| | • Curriculum – focus on agriscience and technology  
| | • Public relations – develop a public relations program that targets parents, students, administrators, teachers, counselors, and community  
| Image of department – students and teachers | • Increase expectations  
| | • Quality of students  
| Program not offered/students not aware of agricultural education | • Public relations – promote need for literacy in agriculture  
| | • State staff and teachers’ organizations work to get new programs funded  
| | • Target schools without agricultural education programs – educate administrators about agriculture  
| Scheduling problems | • Block schedule where applicable  
| | • Multiple teacher programs – seek to expand programs  
| Students are busy with other programs/classes/interests | • Build program into something in which students want to be involved  
| | • Focus program on needs/wants of clients  
| | • Develop new SAEs that attract students  
| | • Promote benefits of involvement with agricultural education  
| Competition from other programs | • Recruit – focus on quality (students follow quality)  
| | • Develop public relations program  
| | • Seek cooperation rather than competition  
| | • Build success quickly  

<table>
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<tr>
<th>Subject matter not of interest</th>
<th>• Change curriculum to focus on “consumption agriculture” rather than “production agriculture” – promote new focus to clients</th>
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| Poor facilities/not maintained appropriately | • Instruction/inservice programs on facility management  
• Promote organization |
| Administrative support | • Public relations – target administrators  
• Professional development of agriculture teachers  
• Quality curriculum that focuses on scientific nature of agriculture – show how curriculum addresses state/national standards  
• Beginning teacher workshops that require teacher to bring an administrator |
| Narrow recruitment focus | • Expand recruitment to include representatives of all groups (gender, academic ability, background, race, etc.)  
• Focus recruitment efforts on non-farm students (farm students enroll in Ag Ed anyway – a waste of time to recruit those who will enroll anyway) |
| Inactive FFA chapter | • Increase expectations for students  
• Get students involved – encourage/reward participation  
• Focus FFA on application of classroom learning  
• Promote FFA to administrators, community, teachers, other students, parents, etc.  
• Provide opportunities for involvement early and often |
| Teacher understanding of FFA and SAE | • Provide preservice and inservice instruction on role of FFA and SAE in agricultural education programs  
• Follow Local Program Success plans |
Summary

Attracting and retaining quality students in agricultural education programs remains one of the most difficult problems faced by the profession. Much of the research that has been conducted to this point has focused on the identification of obstacles to successful recruitment. This study verified the findings of previous studies, but also focused on identifying solutions to those problems. Eighteen issues were identified through focus group interaction and solutions were suggested to address each of those issues.

Based upon the input of focus group members, the teacher is viewed as the key component of a successful program. This places added importance on the role of university teacher education faculty in identifying and preparing quality individuals for a career in teaching. Needs were identified in both the initial preparation of preservice teachers and in the continued support of teacher education through inservice programs. It is recommended that teacher education departments institute a program of preparation and continued reinforcement through inservice programs that emphasize the role of the teacher in a successful program.

Leading the list of issues were teacher quality and commitment, program quality, focus on production agriculture, perceived career opportunities, salary considerations, image of agriculture and the program, and availability of agriculture programs to students. The image of agriculture, of the high school agriculture program, and of the agriculture teacher were also identified as key issues in recruiting students. Focus group members recommended that agricultural education move from a production-oriented curriculum to one that is anchored in science and technology. In addition, records of outcomes such as student placement, salaries, etc., should be kept and used as part of a public relations program to both secure support and to attract quality students.

The role of FFA and SAE as components of an agricultural education program was validated by the focus groups; however, the current utilization of those programs was listed as an issue. While the FFA provides opportunities for generating student interest in the program, some focus group members expressed concern that disproportionate emphasis is placed on competition over learning. As such, teachers often get caught up in trying to participate in all activities sponsored by the FFA at the expense of a quality instructional program. Likewise, focus group members expressed concern that too much emphasis is placed on the record-keeping component of SAE programs rather than the experiential learning value. It was expressed that this focus on production-oriented recordkeeping contributed to the image of agricultural education as only a program for those returning to the farm.

Solutions to the issues identified by the focus groups primarily centered on the preparation and hiring of quality teachers, adapting the curriculum to more accurately identify agriculture with science and technology, recruiting high quality students, providing meaningful activities and instruction, and promoting the agriculture program.

Based upon the findings of this study, teacher education programs should include units of instruction in the preservice program that teaches students to develop consumer-oriented curricula, develop and implement an effective public relations program, more effectively
integrate FFA and SAE instruction into the total program, identify and recruit for quality, and document program success. In addition, a continuing education program is needed to update the skills of current teachers.

References


