

Document # 3

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**In-service Needs of Illinois Agriculture Education Teachers  
District # 1**

| Rank | Question Asked  | Imp.*<br>level | Comp.*<br>level | MWDS* |
|------|---|----------------|-----------------|-------|
| 1    | 53.) Understanding the liability issues associated with teaching agriculture.     | 4.18           | 2.87            | 5.51  |
| 2    | 46.) Motivating students to learn.  | 4.76           | 3.68            | 5.14  |
| 3    | 32.) Utilizing a local advisory council/committee.                                | 3.97           | 2.87            | 3.97  |
| 4    | 16.) Teaching students program-solving and decision making skills.                | 4.68           | 3.92            | 3.57  |
| 5    | 52.) Knowing computer technology/literacy (internet, e-mail, PowerPoint, etc.).   | 4.37           | 3.55            | 3.56  |
| 6    | 10.) Teaching knowledge and skills in horticulture.                               | 4.03           | 3.14            | 3.5   |
| 7    | 20.) Developing an effective public relations program.                            | 4.29           | 3.50            | 3.39  |
| 8    | 37.) Managing student behavior problems.  | 4.50           | 3.76            | 3.32  |
| 9    | 21.) Teaching recordkeeping skills.   | 4.37           | 3.73            | 3.22  |
| 10   | 8.) Developing SAE opportunities for students.                                    | 4.29           | 3.61            | 2.93  |
| 11   | 54.) Modifying existing curriculum materials to IL Learning Standards.            | 3.76           | 3.00            | 2.87  |
| 12   | 40.) Teaching about public issues regarding agriculture.                          | 4.11           | 3.42            | 2.81  |
| 13   | 15.) Teaching using experiments.  | 4.16           | 3.50            | 2.74  |
| 14   | 23.) Conducting local FFA activities and events.                                  | 4.50           | 3.92            | 2.61  |
| 15   | 3.) Preparing Agriculture/FFA career development activities (contests).           | 4.34           | 3.86            | 2.51  |
| 16   | 24.) Teaching knowledge and skills in marketing agriculture products.             | 4.13           | 3.53            | 2.5   |
| 17   | 38.) Determining the content that should be taught in specific courses.           | 4.24           | 3.76            | 2.45  |
| 18   | 17.) Teaching students with an IEP ( learning/behavioral disability ).            | 3.93           | 3.32            | 2.43  |
| 19   | 50.) Preparing Proficiency Award Applications.                                    | 4.08           | 3.50            | 2.36  |
| 20   | 39.) Evaluating the local agriculture programs.                                   | 4.30           | 3.66            | 2.26  |
| 21   | 35.) Assessing and evaluating student performance.                                | 4.26           | 3.74            | 2.24  |
| 22   | 26.) Teaching agree-science- integrating science and agriculture.                 | 4.24           | 3.71            | 2.23  |
| 23   | 49.) Preparing FFA Degree Applications.   | 4.05           | 3.53            | 2.13  |
| 24   | 41.) Utilizing a local FFA Alumni affiliate.                                      | 3.32           | 2.68            | 2.1   |
| 25   | 55.) Integrating academics with other teachers in different content areas.        | 3.82           | 3.29            | 2.01  |
| 26   | 25.) Conducting needs assessments and surveys to determine courses to teach.      | 3.58           | 3.03            | 1.98  |
| 27   | 9.) Teaching agribusiness knowledge and skills.                                   | 4.38           | 3.82            | 1.96  |
| 28   | 45.) Developing relations with fellow teachers and administrators.                | 4.53           | 4.11            | 1.91  |
| 29   | 34.) Teaching the relationship between agriculture and the environment.           | 4.37           | 3.95            | 1.84  |
| 30   | 4.) Using computers in classroom teaching.  | 4.14           | 3.61            | 1.74  |
| 31   | 30.) Developing performance based assessment instruments.                         | 3.34           | 2.84            | 1.67  |
| 32   | 12.) Organizing and supervising laboratories.                                     | 4.16           | 3.76            | 1.64  |
| 33   | 36.) Teaching knowledge and skills in agricultural construction.                  | 3.89           | 3.47            | 1.64  |
| 34   | 44.) Teaching knowledge and skills in electricity.                                | 4.16           | 3.76            | 1.64  |
| 35   | 51.) Teaching knowledge and skills in aquaculture.                                | 3.11           | 2.58            | 1.63  |
| 36   | 19.) Teaching knowledge and skills in the plant science.                          | 4.34           | 4.00            | 1.49  |
| 37   | 33.) Teaching equine science.   | 3.11           | 2.71            | 1.23  |
| 38   | 6.) Implementing State Goals and Learning Standards into core contest courses.    | 3.32           | 2.95            | 1.22  |
| 39   | 47.) Developing Tech Prep programs.   | 3.32           | 2.97            | 1.13  |
| 40   | 43.) Teaching knowledge and skills in forestry.                                   | 2.71           | 2.32            | 1.07  |
| 41   | 27.) Locating and selecting student references and other instructional material.  | 3.92           | 3.68            | 0.93  |
| 42   | 22.) Coordinating activities with local agriculture agencies and organizations.   | 3.82           | 3.58            | 0.9   |
| 43   | 5.) Using multimedia (overheads, VCR's, computer software) equipment in teaching. | 4.21           | 4.00            | 0.89  |
| 44   | 14.) Teaching small gasoline engines.   | 3.76           | 3.53            | 0.89  |

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|----|------|---|------|------|-------|
| 45 | 13.) | Conducting and teaching and adult education program.                | 2.81 | 2.58 | 0.81  |
| 46 | 7.)  | Repairing reconditioning agriculture mechanics tools and equipment. | 3.47 | 3.35 | 0.73  |
| 47 | 31.) | Developing knowledge and skills in the animal science.              | 4.13 | 3.97 | 0.65  |
| 48 | 11.) | Supervising students' SAE programs.                                 | 4.13 | 4.00 | 0.54  |
| 49 | 56.) | Completing applications for FCAE incentive funding (X-factors).     | 4.42 | 4.30 | 0.52  |
| 50 | 29.) | Teaching knowledge and skills in soils & soil management.           | 4.11 | 4.00 | 0.43  |
| 51 | 42.) | Organizing fundraising activities for the local FFA Chapter.        | 3.95 | 3.87 | 0.31  |
| 52 | 18.) | Conducting parent/teacher conferences.                              | 4.05 | 4.11 | 0.21  |
| 53 | 28.) | Organizing a local Young Farmers Program.                           | 2.13 | 2.05 | 0.17  |
| 54 | 2.)  | Completing reports for local and state administrators.              | 3.62 | 3.78 | -0.57 |
| 55 | 48.) | Planning banquets.  | 3.81 | 4.03 | -0.8  |
| 56 | 1.)  | Planning and conducting student field trips.                        | 4.11 | 4.29 | -1.19 |

**Importance Level:** 5 = Very Important, 4 = Important, 3 = Somewhat Important, 2 = Of Little Importance, 1 = Not important

**Competency Level:** 5 = Very Competent, 4 = Competent, 3 = Somewhat Competent, 2 = Little Competency, 1 = Not Competent

**MWDS: Mean Weighted Discrepancy Score**

Document # 4

**In-service Needs of Illinois Agriculture Education Teachers  
District # 2**

| Rank |      | Question Asked  | Imp.*<br>level | Comp.*<br>level | MWDS* |
|------|------|---|----------------|-----------------|-------|
| 1    | 53.) | Understanding the liability issues associated with teaching agriculture.      | 4.20           | 3.03            | 5.21  |
| 2    | 46.) | Motivating students to learn.   | 4.84           | 3.92            | 4.46  |
| 3    | 8.)  | Developing SAE opportunities for students.                                    | 4.23           | 3.35            | 3.66  |
| 4    | 17.) | Teaching students with an IEP ( learning/behavioral disability ).             | 4.05           | 3.16            | 3.59  |
| 5    | 24.) | Teaching knowledge and skills in marketing agriculture products.              | 4.11           | 3.30            | 3.37  |
| 6    | 4.)  | Using computers in classroom teaching.  | 4.43           | 3.68            | 3.32  |
| 7    | 9.)  | Teaching agribusiness knowledge and skills.                                   | 4.41           | 3.68            | 3.21  |
| 8    | 52.) | Knowing computer technology/literacy (internet, e-mail, PowerPoint, etc.).    | 4.48           | 3.76            | 3.21  |
| 9    | 6.)  | Implementing State Goals and Learning Standards into core contest courses.    | 4.02           | 3.25            | 3.11  |
| 10   | 20.) | Developing an effective public relations program.                             | 4.55           | 3.86            | 3.10  |
| 11   | 54.) | Modifying existing curriculum materials to IL Learning Standards.             | 3.84           | 3.03            | 3.10  |
| 12   | 41.) | Utilizing a local FFA Alumni affiliate.                                       | 3.85           | 3.07            | 3.02  |
| 13   | 10.) | Teaching knowledge and skills in horticulture.                                | 4.30           | 3.60            | 2.93  |
| 14   | 26.) | Teaching agri-science- integrating science and agriculture.                   | 4.41           | 3.84            | 2.91  |
| 15   | 16.) | Teaching students program-solving and decision making skills.                 | 4.57           | 3.94            | 2.86  |
| 16   | 37.) | Managing student behavior problems.   | 4.48           | 3.85            | 2.80  |
| 17   | 55.) | Integrating academics with other teachers in different content areas.         | 4.05           | 3.41            | 2.57  |
| 18   | 21.) | Teaching recordkeeping skills.  | 4.25           | 3.66            | 2.51  |
| 19   | 38.) | Determining the content that should be taught in specific courses.            | 4.42           | 3.86            | 2.46  |
| 20   | 12.) | Organizing and supervising laboratories.                                      | 4.57           | 4.07            | 2.28  |
| 21   | 39.) | Evaluating the local agriculture programs.                                    | 4.32           | 3.80            | 2.26  |
| 22   | 30.) | Developing performance based assessment instruments.                          | 3.80           | 3.20            | 2.24  |
| 23   | 35.) | Assessing and evaluating student performance.                                 | 4.49           | 3.99            | 2.24  |
| 24   | 19.) | Teaching knowledge and skills in the plant science.                           | 4.57           | 4.08            | 2.23  |
| 25   | 40.) | Teaching about public issues regarding agriculture.                           | 4.09           | 3.60            | 2.00  |
| 26   | 27.) | Locating and selecting student references and other instructional material.   | 4.11           | 3.72            | 1.96  |
| 27   | 15.) | Teaching using experiments.   | 4.45           | 4.03            | 1.87  |
| 28   | 51.) | Teaching knowledge and skills in aquaculture.                                 | 3.14           | 2.60            | 1.85  |
| 29   | 25.) | Conducting needs assessments and surveys to determine courses to teach.       | 3.50           | 3.05            | 1.83  |
| 30   | 32.) | Utilizing a local advisory council/committee.                                 | 3.86           | 3.41            | 1.76  |
| 31   | 23.) | Conducting local FFA activities and events.                                   | 4.41           | 4.01            | 1.75  |
| 32   | 5.)  | Using multimedia (overheads, VCR's, computer software) equipment in teaching. | 4.41           | 4.05            | 1.60  |
| 33   | 22.) | Coordinating activities with local agriculture agencies and organizations.    | 4.14           | 3.75            | 1.60  |
| 34   | 43.) | Teaching knowledge and skills in forestry.                                    | 3.20           | 2.70            | 1.60  |
| 35   | 50.) | Preparing Proficiency Award Applications.                                     | 3.78           | 3.36            | 1.59  |
| 36   | 29.) | Teaching knowledge and skills in soils & soil management.                     | 4.19           | 3.70            | 1.58  |
| 37   | 49.) | Preparing FFA Degree Applications.  | 3.75           | 3.34            | 1.53  |
| 38   | 45.) | Developing relations with fellow teachers and administrators.                 | 4.38           | 4.06            | 1.39  |
| 39   | 47.) | Developing Tech Prep programs.  | 3.41           | 3.00            | 1.39  |
| 40   | 34.) | Teaching the relationship between agriculture and the environment.            | 4.31           | 3.99            | 1.37  |
| 41   | 42.) | Organizing fundraising activities for the local FFA Chapter.                  | 4.02           | 3.78            | 1.33  |
| 42   | 56.) | Completing applications for FCAE incentive funding (X-factors).               | 4.35           | 3.97            | 1.24  |
| 43   | 7.)  | Repairing reconditioning agriculture mechanics tools and equipment.           | 3.72           | 3.44            | 1.01  |
| 44   | 11.) | Supervising students' SAE programs.   | 4.05           | 3.80            | 0.97  |

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|----|------|---|------|------|-------|
| 45 | 2.)  | Completing reports for local and state administrators.              | 3.82 | 3.65 | 0.95  |
| 46 | 36.) | Teaching knowledge and skills in agricultural construction.         | 3.51 | 3.26 | 0.88  |
| 47 | 3.)  | Preparing Agriculture/FFA career development activities (contests). | 4.16 | 3.95 | 0.85  |
| 48 | 18.) | Conducting parent/teacher conferences.                              | 4.22 | 4.07 | 0.62  |
| 49 | 33.) | Teaching equine science.  | 2.86 | 2.65 | 0.59  |
| 50 | 14.) | Teaching small gasoline engines.                                    | 3.50 | 3.37 | 0.44  |
| 51 | 31.) | Developing knowledge and skills in the animal science.              | 3.84 | 3.81 | 0.44  |
| 52 | 44.) | Teaching knowledge and skills in electricity.                       | 3.60 | 3.53 | 0.25  |
| 53 | 28.) | Organizing a local Young Farmers Program.                           | 2.02 | 2.05 | -0.05 |
| 54 | 13.) | Conducting and teaching and adult education program.                | 2.42 | 2.84 | -0.31 |
| 55 | 1.)  | Planning and conducting student field trips.                        | 4.14 | 4.23 | -0.38 |
| 56 | 48.) | Planning banquets.  | 3.48 | 3.74 | -0.91 |

**Importance Level:** 5 = Very Important, 4 = Important, 3 = Somewhat Important, 2 = Of Little Importance, 1 = Not important

**Competency Level:** 5 = Very Competent, 4 = Competent, 3 = Somewhat Competent, 2 = Little Competency, 1 = Not Competent

**MWDS: Mean Weighted Discrepancy Score**

Document # 5

**In-service Needs of Illinois Agriculture Education Teachers  
District # 3**

| Rank | Question Asked  | Imp.*<br>level | Comp.*<br>level | MWDS* |
|------|---|----------------|-----------------|-------|
| 1    | 46.) Motivating students to learn.  | 4.84           | 3.93            | 4.39  |
| 2    | 52.) Knowing computer technology/literacy (internet, e-mail, PowerPoint, etc.).   | 4.44           | 3.51            | 4.13  |
| 3    | 53.) Understanding the liability issues associated with teaching agriculture.     | 4.00           | 2.95            | 4.09  |
| 4    | 4.) Using computers in classroom teaching.  | 4.35           | 3.47            | 3.84  |
| 5    | 37.) Managing student behavior problems.  | 4.53           | 3.77            | 3.48  |
| 6    | 16.) Teaching students program-solving and decision making skills.                | 4.65           | 3.91            | 3.46  |
| 7    | 32.) Utilizing a local advisory council/committee.                                | 4.09           | 3.28            | 3.33  |
| 8    | 20.) Developing an effective public relations program.                            | 4.60           | 3.88            | 3.32  |
| 9    | 12.) Organizing and supervising laboratories.                                     | 4.40           | 3.70            | 3.07  |
| 10   | 8.) Developing SAE opportunities for students.                                    | 4.42           | 3.74            | 2.98  |
| 11   | 26.) Teaching agri-science- integrating science and agriculture.                  | 4.42           | 3.80            | 2.72  |
| 12   | 24.) Teaching knowledge and skills in marketing agriculture products.             | 4.09           | 3.44            | 2.67  |
| 13   | 38.) Determining the content that should be taught in specific courses.           | 4.47           | 3.88            | 2.60  |
| 14   | 21.) Teaching recordkeeping skills.   | 4.40           | 3.81            | 2.56  |
| 15   | 49.) Preparing FFA Degree Applications.   | 4.02           | 3.40            | 2.53  |
| 16   | 50.) Preparing Proficiency Award Applications.                                    | 4.09           | 3.49            | 2.47  |
| 17   | 3.) Preparing Agriculture/FFA career development activities (contests).           | 4.23           | 3.65            | 2.46  |
| 18   | 35.) Assessing and evaluating student performance.                                | 4.47           | 3.93            | 2.39  |
| 19   | 10.) Teaching knowledge and skills in horticulture.                               | 4.09           | 3.51            | 2.38  |
| 20   | 9.) Teaching agribusiness knowledge and skills.                                   | 4.23           | 3.67            | 2.36  |
| 21   | 5.) Using multimedia (overheads, VCR's, computer software) equipment in teaching. | 4.49           | 4.00            | 2.19  |
| 22   | 27.) Locating and selecting student references and other instructional material.  | 4.05           | 3.50            | 2.17  |
| 23   | 15.) Teaching using experiments.  | 4.35           | 3.86            | 2.12  |
| 24   | 55.) Integrating academics with other teachers in different content areas.        | 3.95           | 3.33            | 2.11  |
| 25   | 39.) Evaluating the local agriculture programs.                                   | 4.23           | 3.74            | 2.07  |
| 26   | 54.) Modifying existing curriculum materials to IL Learning Standards.            | 3.60           | 3.02            | 2.01  |
| 27   | 34.) Teaching the relationship between agriculture and the environment.           | 4.35           | 3.93            | 1.82  |
| 28   | 41.) Utilizing a local FFA Alumni affiliate.                                      | 3.91           | 3.44            | 1.82  |
| 29   | 40.) Teaching about public issues regarding agriculture.                          | 4.09           | 3.67            | 1.71  |
| 30   | 47.) Developing Tech Prep programs.   | 3.47           | 2.98            | 1.69  |
| 31   | 51.) Teaching knowledge and skills in aquaculture.                                | 2.91           | 2.33            | 1.69  |
| 32   | 56.) Completing applications for FCAE incentive funding (X-factors).              | 4.42           | 4.05            | 1.64  |
| 33   | 25.) Conducting needs assessments and surveys to determine courses to teach.      | 3.51           | 3.05            | 1.63  |
| 34   | 42.) Organizing fundraising activities for the local FFA Chapter.                 | 4.23           | 3.86            | 1.57  |
| 35   | 43.) Teaching knowledge and skills in forestry.                                   | 3.16           | 2.70            | 1.47  |
| 36   | 36.) Teaching knowledge and skills in agricultural construction.                  | 3.84           | 3.47            | 1.43  |
| 37   | 23.) Conducting local FFA activities and events.                                  | 4.51           | 4.21            | 1.36  |
| 38   | 6.) Implementing State Goals and Learning Standards into core contest courses.    | 3.51           | 3.14            | 1.31  |
| 39   | 30.) Developing performance based assessment instruments.                         | 3.30           | 2.91            | 1.31  |
| 40   | 22.) Coordinating activities with local agriculture agencies and organizations.   | 3.91           | 3.58            | 1.27  |
| 41   | 11.) Supervising students' SAE programs.  | 4.21           | 3.93            | 1.17  |
| 42   | 29.) Teaching knowledge and skills in soils and soil management.                  | 4.12           | 3.84            | 1.15  |
| 43   | 19.) Teaching knowledge and skills in the plant science.                          | 4.44           | 4.19            | 1.14  |

|    |      |   |      |      |       |
|----|------|---|------|------|-------|
| 44 | 33.) | Teaching equine science.  | 3.05 | 2.70 | 1.06  |
| 45 | 31.) | Developing knowledge and skills in the animal science.              | 4.33 | 4.12 | 0.91  |
| 46 | 44.) | Teaching knowledge and skills in electricity.                       | 3.84 | 3.63 | 0.80  |
| 47 | 17.) | Teaching students with an IEP ( learning/behavioral disability ).   | 3.65 | 3.44 | 0.76  |
| 48 | 7.)  | Repairing reconditioning agriculture mechanics tools and equipment. | 3.60 | 3.42 | 0.67  |
| 49 | 45.) | Developing relations with fellow teachers and administrators.       | 4.44 | 4.30 | 0.62  |
| 50 | 2.)  | Completing reports for local and state administrators.              | 3.72 | 3.56 | 0.61  |
| 51 | 14.) | Teaching small gasoline engines.                                    | 3.36 | 3.29 | 0.23  |
| 52 | 48.) | Planning banquets.  | 3.85 | 3.79 | 0.22  |
| 53 | 28.) | Organizing a local Young Farmers Program.                           | 2.35 | 2.40 | -0.11 |
| 54 | 13.) | Conducting and teaching and adult education program.                | 2.70 | 2.81 | -0.13 |
| 55 | 1.)  | Planning and conducting student field trips.                        | 3.95 | 4.12 | -0.64 |
| 56 | 18.) | Conducting parent/teacher conferences.                              | 4.12 | 4.28 | -0.67 |

**Importance Level:** 5 = Very Important, 4 = Important, 3 = Somewhat Important, 2 = Of Little Importance, 1 = Not important

**Competency Level:** 5 = Very Competent, 4 = Competent, 3 = Somewhat Competent, 2 = Little Competency, 1 = Not Competent

**MWDS: Mean Weighted Discrepancy Score**

Document # 6

**In-service Needs of Illinois Agriculture Education Teachers  
District # 4**

| Rank |      | Question Asked  | Imp.*<br>level | Comp.*<br>level | MWDS* |
|------|------|---|----------------|-----------------|-------|
| 1    | 53.) | Understanding the liability issues associated with teaching agriculture.      | 4.26           | 3.21            | 4.49  |
| 2    | 46.) | Motivating students to learn.   | 4.76           | 3.97            | 3.76  |
| 3    | 38.) | Determining the content that should be taught in specific courses.            | 4.58           | 3.82            | 3.49  |
| 4    | 49.) | Preparing FFA Degree Applications.  | 4.13           | 3.29            | 3.48  |
| 5    | 7.)  | Repairing reconditioning agriculture mechanics tools and equipment.           | 3.76           | 2.92            | 3.17  |
| 6    | 4.)  | Using computers in classroom teaching.  | 4.45           | 3.74            | 3.16  |
| 7    | 3.)  | Preparing Agriculture/FFA career development activities (contests).           | 4.26           | 3.62            | 3.14  |
| 8    | 9.)  | Teaching agribusiness knowledge and skills.                                   | 4.55           | 4.00            | 3.00  |
| 9    | 24.) | Teaching knowledge and skills in marketing agriculture products.              | 4.16           | 3.45            | 2.95  |
| 10   | 10.) | Teaching knowledge and skills in horticulture.                                | 3.89           | 3.16            | 2.87  |
| 11   | 20.) | Developing an effective public relations program.                             | 4.39           | 3.76            | 2.78  |
| 12   | 51.) | Teaching knowledge and skills in aquaculture.                                 | 3.41           | 2.61            | 2.74  |
| 13   | 37.) | Managing student behavior problems.   | 4.66           | 4.08            | 2.70  |
| 14   | 6.)  | Implementing State Goals and Learning Standards into core contest courses.    | 4.24           | 3.61            | 2.67  |
| 15   | 50.) | Preparing Proficiency Award Applications.                                     | 4.05           | 3.39            | 2.67  |
| 16   | 17.) | Teaching students with an IEP ( learning/behavioral disability ).             | 4.18           | 3.55            | 2.64  |
| 17   | 8.)  | Developing SAE opportunities for students.                                    | 4.16           | 3.53            | 2.63  |
| 18   | 34.) | Teaching the relationship between agriculture and the environment.            | 4.42           | 3.84            | 2.56  |
| 19   | 55.) | Integrating academics with other teachers in different content areas.         | 4.13           | 3.53            | 2.50  |
| 20   | 12.) | Organizing and supervising laboratories.                                      | 4.29           | 3.74            | 2.37  |
| 21   | 52.) | Knowing computer technology/literacy (internet, e-mail, PowerPoint, etc.).    | 4.47           | 3.95            | 2.35  |
| 22   | 5.)  | Using multimedia (overheads, VCR's, computer software) equipment in teaching. | 4.45           | 3.92            | 2.34  |
| 23   | 41.) | Utilizing a local FFA Alumni affiliate.                                       | 3.63           | 3.00            | 2.29  |
| 24   | 56.) | Completing applications for FCAE incentive funding (X-factors).               | 4.68           | 4.21            | 2.22  |
| 25   | 54.) | Modifying existing curriculum materials to IL Learning Standards.             | 3.92           | 3.37            | 2.17  |
| 26   | 25.) | Conducting needs assessments and surveys to determine courses to teach.       | 3.82           | 3.26            | 2.11  |
| 27   | 16.) | Teaching students program-solving and decision making skills.                 | 4.39           | 3.92            | 2.08  |
| 28   | 39.) | Evaluating the local agriculture programs.                                    | 4.37           | 3.89            | 2.07  |
| 29   | 26.) | Teaching agri-science- integrating science and agriculture.                   | 4.58           | 4.13            | 2.05  |
| 30   | 36.) | Teaching knowledge and skills in agricultural construction.                   | 3.58           | 3.03            | 1.98  |
| 31   | 40.) | Teaching about public issues regarding agriculture.                           | 4.16           | 3.68            | 1.97  |
| 32   | 2.)  | Completing reports for local and state administrators.                        | 4.13           | 3.66            | 1.96  |
| 33   | 21.) | Teaching recordkeeping skills.  | 4.26           | 3.82            | 1.91  |
| 34   | 32.) | Utilizing a local advisory council/committee.                                 | 4.05           | 3.61            | 1.81  |
| 35   | 30.) | Developing performance based assessment instruments.                          | 3.78           | 3.21            | 1.79  |
| 36   | 11.) | Supervising students' SAE programs.   | 4.16           | 3.84            | 1.75  |
| 37   | 44.) | Teaching knowledge and skills in electricity.                                 | 3.82           | 3.37            | 1.71  |
| 38   | 35.) | Assessing and evaluating student performance.                                 | 4.32           | 3.92            | 1.70  |
| 39   | 27.) | Locating and selecting student references and other instructional material.   | 4.26           | 3.87            | 1.68  |
| 40   | 31.) | Developing knowledge and skills in the animal science.                        | 4.24           | 3.87            | 1.56  |
| 41   | 47.) | Developing Tech Prep programs.  | 3.34           | 3.00            | 1.41  |
| 42   | 15.) | Teaching using experiments.   | 4.14           | 3.82            | 1.36  |
| 43   | 29.) | Teaching knowledge and skills in the soils & soil management.                 | 4.29           | 3.97            | 1.35  |

|    |      |  |      |      |       |
|----|------|--|------|------|-------|
| 44 | 43.) | Teaching knowledge and skills in forestry.                                 | 2.88 | 2.42 | 1.33  |
| 45 | 19.) | Teaching knowledge and skills in the plant science.                        | 4.32 | 4.09 | 0.97  |
| 46 | 45.) | Developing relations with fellow teachers and administrators.              | 4.47 | 4.29 | 0.82  |
| 47 | 14.) | Teaching small gasoline engines.   | 3.37 | 3.24 | 0.71  |
| 48 | 18.) | Conducting parent/teacher conferences.                                     | 4.13 | 3.97 | 0.65  |
| 49 | 23.) | Conducting local FFA activities and events.                                | 4.37 | 4.24 | 0.57  |
| 50 | 13.) | Conducting and teaching and adult education program.                       | 2.84 | 2.66 | 0.52  |
| 51 | 22.) | Coordinating activities with local agriculture agencies and organizations. | 3.89 | 3.79 | 0.41  |
| 52 | 28.) | Organizing a local Young Farmers Program.                                  | 2.32 | 2.27 | 0.24  |
| 53 | 33.) | Teaching equine science.   | 2.71 | 2.42 | 0.08  |
| 54 | 42.) | Organizing fundraising activities for the local FFA Chapter.               | 3.92 | 3.95 | -0.10 |
| 55 | 48.) | Planning banquets.   | 4.05 | 4.21 | -0.64 |
| 56 | 1.)  | Planning and conducting student field trips.                               | 3.97 | 4.32 | -1.36 |

**Importance Level:** 5 = Very Important, 4 = Important, 3 = Somewhat Important, 2 = Of Little Importance, 1 = Not important

**Competency Level:** 5 = Very Competent, 4 = Competent, 3 = Somewhat Competent, 2 = Little Competency, 1 = Not Competent

**MWDS: Mean Weighted Discrepancy Score**



Document # 7

**In-service Needs of Illinois Agriculture Education Teachers  
District # 5**

| Rank |      | Question Asked  | Imp.*<br>level | Comp.*<br>level | MWDS* |
|------|------|---|----------------|-----------------|-------|
| 1    | 56.) | Completing applications for FCAE incentive funding (X-factors).               | 4.21           | 3.33            | 3.73  |
| 2    | 28.) | Organizing a local Young Farmers Program.                                     | 3.90           | 3.00            | 3.51  |
| 3    | 31.) | Developing knowledge and skills in the animal science.                        | 4.57           | 3.83            | 3.40  |
| 4    | 40.) | Teaching about public issues regarding agriculture.                           | 4.00           | 3.20            | 3.20  |
| 5    | 48.) | Planning banquets.  | 3.71           | 2.86            | 3.18  |
| 6    | 55.) | Integrating academics with other teachers in different content areas.         | 3.94           | 3.14            | 3.15  |
| 7    | 50.) | Preparing Proficiency Award Applications.                                     | 4.11           | 3.37            | 3.06  |
| 8    | 29.) | Teaching knowledge and skills in soils & soil management.                     | 3.83           | 3.07            | 2.90  |
| 9    | 8.)  | Developing SAE opportunities for students.                                    | 4.26           | 3.60            | 2.80  |
| 10   | 17.) | Teaching students with an IEP ( learning/behavioral disability ).             | 4.34           | 3.74            | 2.61  |
| 11   | 39.) | Evaluating the local agriculture programs.                                    | 4.34           | 3.74            | 2.61  |
| 12   | 13.) | Conducting and teaching and adult education program.                          | 3.76           | 3.07            | 2.58  |
| 13   | 44.) | Teaching knowledge and skills in electricity.                                 | 3.46           | 2.71            | 2.57  |
| 14   | 24.) | Teaching knowledge and skills in marketing agriculture products.              | 4.26           | 3.76            | 2.55  |
| 15   | 49.) | Preparing FFA Degree Applications.  | 4.26           | 3.66            | 2.55  |
| 16   | 7.)  | Repairing reconditioning agriculture mechanics tools and equipment.           | 4.03           | 3.40            | 2.53  |
| 17   | 46.) | Motivating students to learn.   | 4.29           | 3.71            | 2.45  |
| 18   | 37.) | Managing student behavior problems.   | 4.20           | 3.63            | 2.40  |
| 19   | 42.) | Organizing fundraising activities for the local FFA Chapter.                  | 4.09           | 3.50            | 2.39  |
| 20   | 6.)  | Implementing State Goals and Learning Standards into core contest courses.    | 4.11           | 3.54            | 2.35  |
| 21   | 27.) | Locating and selecting student references and other instructional material.   | 4.29           | 3.74            | 2.33  |
| 22   | 54.) | Modifying existing curriculum materials to IL Learning Standards.             | 4.23           | 3.69            | 2.30  |
| 23   | 34.) | Teaching the relationship between agriculture and the environment.            | 3.83           | 3.23            | 2.30  |
| 24   | 38.) | Determining the content that should be taught in specific courses.            | 4.20           | 3.66            | 2.28  |
| 25   | 25.) | Conducting needs assessments and surveys to determine courses to teach.       | 4.63           | 4.14            | 2.25  |
| 26   | 23.) | Conducting local FFA activities and events.                                   | 3.57           | 2.94            | 2.24  |
| 27   | 18.) | Conducting parent/teacher conferences.  | 4.06           | 3.51            | 2.20  |
| 28   | 33.) | Teaching equine science.  | 3.97           | 3.43            | 2.16  |
| 29   | 11.) | Supervising students' SAE programs.   | 3.43           | 2.80            | 2.16  |
| 30   | 9.)  | Teaching agribusiness knowledge and skills.                                   | 4.11           | 3.60            | 2.12  |
| 31   | 2.)  | Completing reports for local and state administrators.                        | 3.89           | 3.34            | 2.11  |
| 32   | 41.) | Utilizing a local FFA Alumni affiliate.                                       | 4.21           | 3.71            | 2.04  |
| 33   | 32.) | Utilizing a local advisory council/committee.                                 | 4.03           | 3.54            | 1.96  |
| 34   | 20.) | Developing an effective public relations program.                             | 4.26           | 3.80            | 1.95  |
| 35   | 35.) | Assessing and evaluating student performance.                                 | 3.29           | 2.71            | 1.88  |
| 36   | 51.) | Teaching knowledge and skills in aquaculture.                                 | 4.29           | 3.89            | 1.71  |
| 37   | 21.) | Teaching recordkeeping skills.  | 4.26           | 3.86            | 1.70  |
| 38   | 5.)  | Using multimedia (overheads, VCR's, computer software) equipment in teaching. | 3.86           | 3.43            | 1.65  |
| 39   | 10.) | Teaching knowledge and skills in horticulture.                                | 3.67           | 3.24            | 1.57  |
| 40   | 43.) | Teaching knowledge and skills in forestry.                                    | 4.11           | 3.74            | 1.53  |
| 41   | 47.) | Developing Tech Prep programs.  | 3.34           | 2.94            | 1.34  |
| 42   | 14.) | Teaching small gasoline engines.  | 3.09           | 2.67            | 1.28  |
| 43   | 45.) | Developing relations with fellow teachers and administrators.                 | 4.00           | 3.69            | 1.26  |

|    |      |  |      |      |       |
|----|------|--|------|------|-------|
| 44 | 12.) | Organizing and supervising laboratories.                                   | 4.26 | 3.97 | 1.22  |
| 45 | 53.) | Understanding the liability issues associated with teaching agriculture.   | 3.80 | 3.49 | 1.19  |
| 46 | 19.) | Teaching knowledge and skills in the plant science.                        | 3.97 | 3.67 | 1.19  |
| 47 | 16.) | Teaching students program-solving and decision making skills.              | 4.26 | 4.00 | 1.09  |
| 48 | 22.) | Coordinating activities with local agriculture agencies and organizations. | 4.14 | 3.89 | 1.07  |
| 49 | 15.) | Teaching using experiments.  | 3.89 | 3.71 | 0.67  |
| 50 | 3.)  | Preparing Agriculture/FFA career development activities (contests).        | 3.80 | 3.63 | 0.65  |
| 51 | 30.) | Developing performance based assessment instruments.                       | 3.81 | 3.66 | 0.60  |
| 52 | 4.)  | Using computers in classroom teaching.                                     | 2.40 | 2.29 | 0.27  |
| 53 | 36.) | Teaching knowledge and skills in agricultural construction.                | 3.74 | 3.69 | 0.21  |
| 54 | 1.)  | Planning and conducting student field trips.                               | 4.14 | 4.11 | 0.12  |
| 55 | 26.) | Teaching agri-science- integrating science and agriculture.                | 2.63 | 2.63 | 0.00  |
| 56 | 52.) | Knowing computer technology/literacy (internet, e-mail, PowerPoint, etc.). | 3.74 | 3.97 | -0.86 |

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