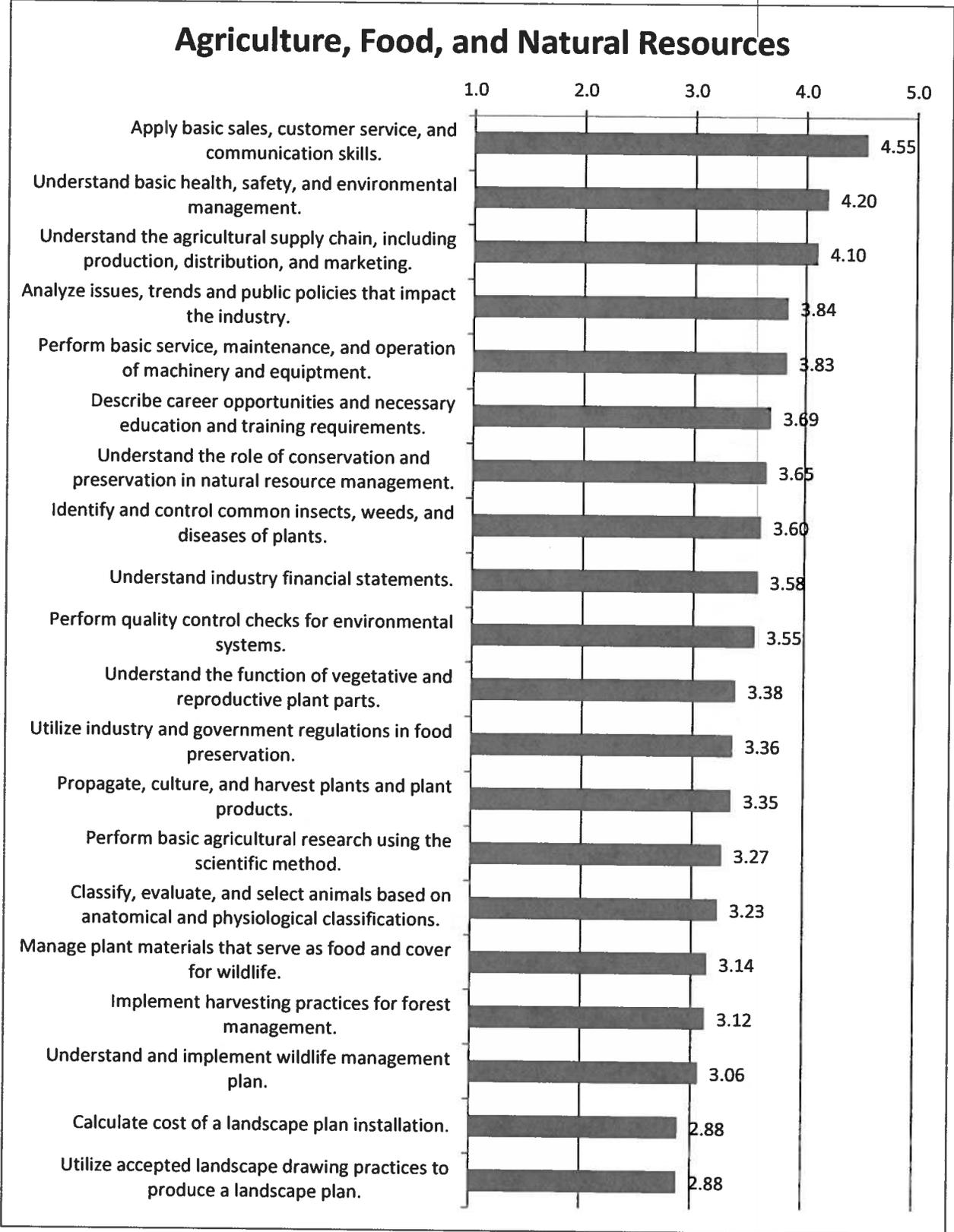


II. Agriculture, Food, and Natural Resources



Agriculture, Food, and Natural Resources

Skill/Knowledge Set	Mean	Minimum	Maximum	Mode	Standard Error of Mean	Valid N
Apply basic sales, customer service, and communication skills.	4.55	1	5	5	.055	175
Understand basic health, safety, and environmental management.	4.20	1	5	5	.074	173
Understand the agricultural supply chain, including production, distribution, and marketing.	4.10	1	5	5	.082	176
Analyze issues, trends and public policies that impact the industry.	3.84	1	5	4	.085	173
Perform basic service, maintenance, and operation of machinery and equipment.	3.83	1	5	5	.086	173
Describe career opportunities and necessary education and training requirements.	3.69	1	5	4	.087	172
Understand the role of conservation and preservation in natural resource management.	3.65	1	5	5	.100	171
Identify and control common insects, weeds, and diseases of plants.	3.60	1	5	5	.113	171
Understand industry financial statements.	3.58	1	5	4	.087	175
Perform quality control checks for environmental systems.	3.55	1	5	5	.100	171
Understand the function of vegetative and reproductive plant parts.	3.38	1	5	4	.107	170
Utilize industry and government regulations in food preservation.	3.36	1	5	5	.119	170
Propagate, culture, and harvest plants and plant products.	3.35	1	5	5	.113	173
Perform basic agricultural research using the scientific method.	3.27	1	5	4	.110	169
Classify, evaluate, and select animals based on anatomical and physiological classifications.	3.23	1	5	5	.116	173
Manage plant materials that serve as food and cover for wildlife.	3.14	1	5	4	.112	171
Implement harvesting practices for forest management.	3.12	1	5	4	.113	172
Understand and implement wildlife management plan.	3.06	1	5	4	.107	174
Calculate cost of a landscape plan installation.	2.88	1	5	1	.111	169
Utilize accepted landscape drawing practices to produce a landscape plan.	2.88	1	5	4	.107	169

Suggested Additional Skills and Other Responses

Add to Propagating plant how to time out a crop or time a crop for sale

Be aware of legislative policies concerning agriculture

Understand the basic concepts of commodity hedging

Public relations

Understand the basics of Animal Agriculture

Understand the basics of sustainable agriculture.

Floral Design and Management

Basic Meteorology (Read and understand a weather map)

Able to teach students where their food & fiber comes from

Safety

Understand the role of Animal Pharmaceuticals

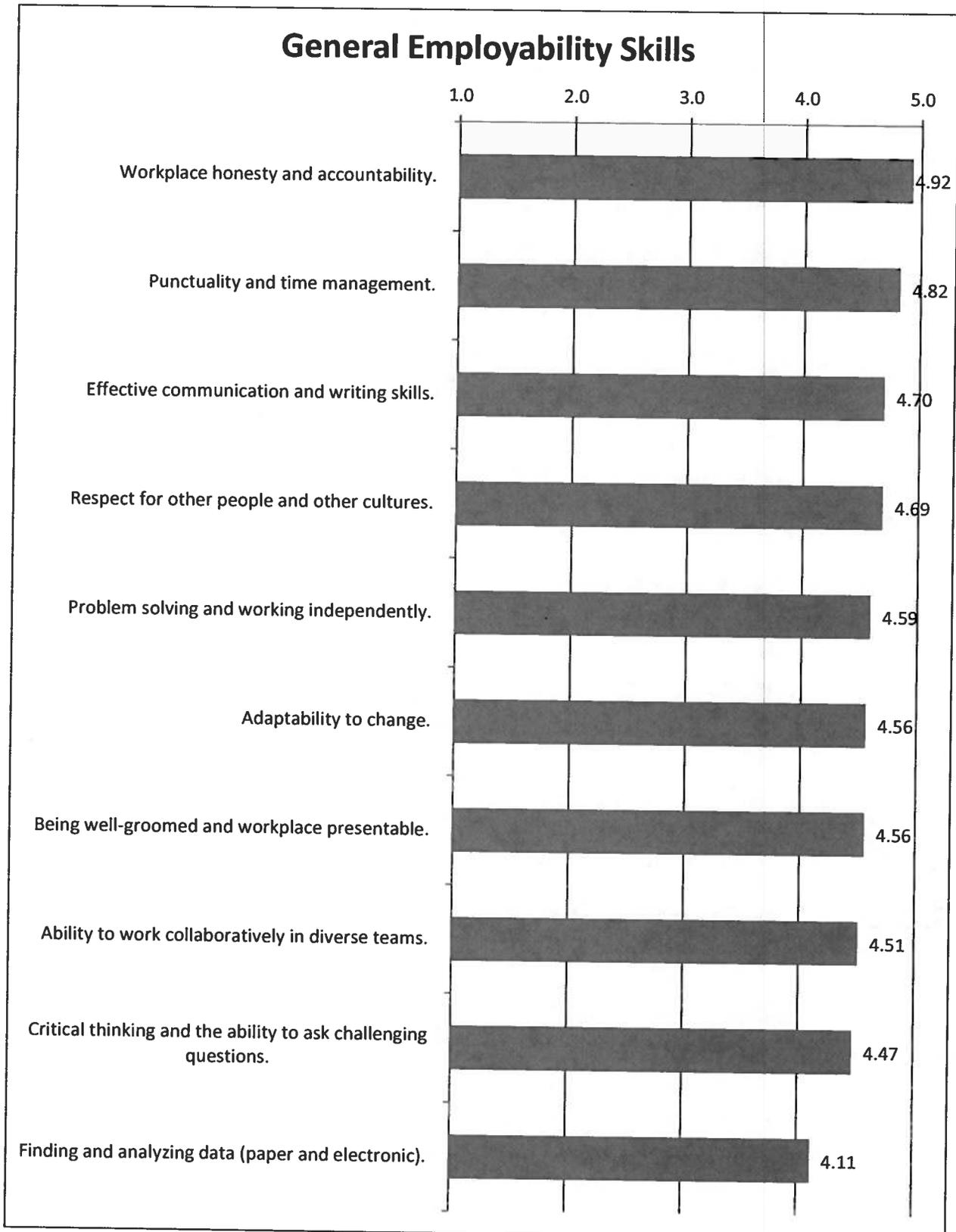
Understand organic agriculture.

Management of Animals for food and pleasure (Veterinary, livestock, pets, horses, etc.)

Leadership skills

Develop and utilize leadership and citizenship skills

I. General Employability Skills



General Employability Skills

Skill/Knowledge Set	Mean	Minimum	Maximum	Mode	Standard Error of Mean	Valid N
Workplace honesty and accountability.	4.92	1	5	5	.009	2173
Punctuality and time management.	4.82	1	5	5	.011	2172
Effective communication and writing skills.	4.70	1	5	5	.014	2179
Respect for other people and other cultures.	4.69	1	5	5	.015	2169
Problem solving and working independently.	4.59	1	5	5	.015	2163
Adaptability to change.	4.56	1	5	5	.015	2179
Being well-groomed and workplace presentable.	4.56	1	5	5	.016	2178
Ability to work collaboratively in diverse teams.	4.51	1	5	5	.017	2180
Critical thinking and the ability to ask challenging questions.	4.47	1	5	5	.016	2172
Finding and analyzing data (paper and electronic).	4.11	1	5	5	.021	2175

Suggested Additional Skills and Other Responses	Frequency
Creativity	19
Ability to learn new skills or improve upon skills	22
Other	23
Leadership skills & ability to follow directions	44
Flexibility	55
Adhere to workplace ethics & rules (Being responsible)	99
Communication, Cooperation, Collaboration	120
Attitude (positive, take initiative, motivated, etc.)	121
Being effective and efficient	129
Competent in necessary skills	217