

UNIVERSITY CHALLENGES AND OPPORTUNITIES RELATED TO BIOTECHNOLOGY: 2002



An Internet-Based Survey of Land Grant University (LGU) Faculty Tabular Report - February 2003

Research Developed and Implemented by:

Thomas J. Hoban, Ph.D. - N.C. State University
Nicholas Kalaitzandonakes, Ph.D. - University of Missouri

ESCOP - ECOP Biotech Survey

			Gender <i>(32 Non Response)</i>		Position					Discipline		
Questions	Categories	TOTAL	Male	Female	Administration	Professor	Managerial/ Academic Professional	Extension Personnel	No Response/ Other	AgBio Scientists	Social Scientists	No Response/ Other
	COUNT(n)	1342	1064	246	204	807	76	199	56	654	339	349
Q1.1 - Develop and deliver training for Extension agents	Mean	4	4	4	4	4	4	4	4	4	4	4
	Bottom 2	9	10	7	6	11	5	5	14	10	10	8
	1 Not important and not needed	2	2	3	1	3	0	1	7	2	3	3
	2	7	8	4	5	9	5	4	7	8	7	5
	3	20	20	19	16	23	26	13	11	19	19	21
	4	35	36	33	41	34	36	35	34	35	33	36
	5 Very important and needed right away	34	33	40	37	32	33	45	23	35	36	31
	Top 2	69	69	73	78	65	68	80	57	70	70	67
No Answer	1	1	1	0	1	0	2	18	1	1	4	
Q1.2 - Help farmers understand the application of biotechnology	Mean	4	4	4	4	4	4	4	4	4	4	4
	Bottom 2	8	8	6	4	9	12	2	11	6	10	7
	1 Not important and not needed	2	2	2	0	2	4	1	5	2	3	2
	2	6	6	4	4	7	8	2	5	5	7	5
	3	21	21	24	17	23	25	18	18	21	24	19
	4	35	34	34	38	33	38	38	30	34	32	38
	5 Very important and needed right away	35	35	35	40	34	25	40	23	38	33	32
	Top 2	70	70	70	78	67	63	78	54	72	65	70
No Answer	1	1	1	0	1	0	2	18	1	1	4	
Q1.3 - Conduct research to assess the environmental impacts of biotechnology	Mean	4	4	5	4	4	5	4	5	4	5	5
	Bottom 2	2	3	1	2	2	1	5	0	3	2	3
	1 Not important and not needed	0	0	0	1	0	0	1	0	0	1	1
	2	2	2	1	1	2	1	5	0	2	1	2
	3	8	10	4	7	9	5	10	7	10	5	8
	4	28	29	23	30	28	24	28	16	31	27	22
	5 Very important and needed right away	60	58	71	60	61	70	56	57	56	66	63
	Top 2	88	87	94	90	89	93	84	73	87	93	85
No Answer	1	0	1	0	0	0	1	20	0	0	4	

ESCOP - ECOP Biotech Survey

			Gender <i>(32 Non Response)</i>		Position					Discipline		
Questions	Categories	TOTAL	Male	Female	Administration	Professor	Managerial/ Academic Professional	Extension Personnel	No Response/ Other	AgBio Scientists	Social Scientists	No Response/ Other
	COUNT(n)	1342	1064	246	204	807	76	199	56	654	339	349
Q1.4 - Conduct research to assess the food safety / health risks of biotechnology	Mean	4	4	5	5	4	5	4	5	4	5	4
	Bottom 2	3	4	1	3	3	3	5	0	4	2	4
	1 Not important and not needed	1	1	0	1	1	0	1	0	1	1	1
	2	3	3	1	1	3	3	5	0	3	1	3
	3	10	11	5	6	10	9	12	9	12	5	9
	4	25	25	22	22	27	20	26	16	27	24	22
	5 Very important and needed right away	61	59	71	68	60	67	57	55	56	69	61
	Top 2	86	85	93	90	86	87	83	71	83	93	83
No Answer	1	0	1	1	0	1	1	20	1	0	4	
Q1.5 - Conduct research to assess the social and economic impacts of biotechnology	Mean	4	4	4	4	4	4	4	4	4	4	4
	Bottom 2	8	10	3	6	8	4	13	4	10	5	9
	1 Not important and not needed	2	2	0	1	2	0	3	4	2	1	2
	2	7	8	3	5	7	4	11	0	8	4	6
	3	20	21	21	15	22	21	21	13	25	14	18
	4	29	30	25	28	30	36	26	20	31	26	28
	5 Very important and needed right away	41	39	50	50	38	39	40	45	33	55	41
	Top 2	70	69	75	78	69	75	66	64	65	81	69
No Answer	1	1	1	1	0	0	1	20	1	0	4	
Q1.6 - Develop Extension educational materials for consumers	Mean	4	4	4	4	4	4	4	4	4	4	4
	Bottom 2	10	11	10	4	13	4	7	18	10	11	11
	1 Not important and not needed	2	2	3	0	3	0	3	2	2	3	3
	2	8	9	7	4	10	4	5	16	8	8	8
	3	21	22	19	18	23	32	12	20	21	20	20
	4	36	37	33	41	35	39	37	18	37	38	32
	5 Very important and needed right away	31	30	37	36	29	25	43	23	31	31	33
	Top 2	67	67	70	77	64	64	80	41	67	69	65
No Answer	2	1	1	0	1	0	1	21	1	0	4	

ESCOP - ECOP Biotech Survey

			Gender <i>(32 Non Response)</i>		Position					Discipline		
Questions	Categories	TOTAL	Male	Female	Administration	Professor	Managerial/ Academic Professional	Extension Personnel	No Response/ Other	AgBio Scientists	Social Scientists	No Response/ Other
	COUNT(n)	1342	1064	246	204	807	76	199	56	654	339	349
Q1.7 - Conduct applied research (such as development of new crop varieties)	Mean	4	4	4	4	4	4	4	4	4	4	4
	Bottom 2	10	11	10	9	11	9	9	9	10	14	6
	1 Not important and not needed	4	3	4	2	4	4	2	4	3	5	2
	2	7	7	6	7	7	5	7	5	7	9	4
	3	20	19	24	21	20	20	22	16	17	27	19
	4	31	30	35	29	30	32	37	34	29	33	34
	5 Very important and needed right away	37	39	29	40	39	38	31	20	43	26	37
	Top 2	68	69	64	69	68	70	68	54	71	58	70
	No Answer	2	1	2	0	1	1	2	21	1	0	4
Q1.8 - Conduct basic research (as in the area of genomics)	Mean	4	4	4	4	4	4	4	4	4	4	4
	Bottom 2	8	7	8	5	7	9	13	7	6	11	7
	1 Not important and not needed	2	2	3	2	2	3	3	0	2	3	1
	2	5	5	5	3	4	7	10	7	4	8	6
	3	15	15	19	10	14	16	23	30	12	21	16
	4	31	31	36	32	31	29	36	20	28	37	32
	5 Very important and needed right away	44	47	36	52	48	46	27	23	53	31	40
	Top 2	76	77	72	84	79	75	63	43	81	68	72
	No Answer	1	1	1	0	0	0	2	20	1	0	4
Q1.9 - Interpret trends and anticipate consequences of biotechnology	Mean	4	4	4	4	4	4	4	4	4	4	4
	Bottom 2	6	7	4	5	6	3	9	7	6	6	7
	1 Not important and not needed	1	1	0	1	1	1	2	0	1	1	2
	2	5	6	4	4	5	1	8	7	5	6	5
	3	18	19	15	18	19	18	16	14	21	12	19
	4	36	36	36	38	37	37	32	29	38	34	34
	5 Very important and needed right away	38	37	44	38	38	42	42	30	34	47	37
	Top 2	74	73	80	76	74	79	74	59	72	81	70
	No Answer	1	1	1	0	1	0	1	20	1	0	4

ESCOP - ECOP Biotech Survey

			Gender <i>(32 Non Response)</i>		Position					Discipline		
Questions	Categories	TOTAL	Male	Female	Administration	Professor	Managerial/ Academic Professional	Extension Personnel	No Response/ Other	AgBio Scientists	Social Scientists	No Response/ Other
	COUNT(n)	1342	1064	246	204	807	76	199	56	654	339	349
Q1.10 - Provide information to the general public through the mass media	Mean	4	4	4	4	4	4	4	4	4	4	4
	Bottom 2	10	10	10	7	11	5	10	9	10	9	11
	1 Not important and not needed	3	3	2	1	4	0	2	2	3	2	4
	2	7	7	7	6	7	5	9	7	7	7	7
	3	21	21	22	17	22	32	18	18	21	23	20
	4	35	35	33	40	35	34	32	23	35	34	34
	5 Very important and needed right away	33	32	35	35	31	29	40	29	33	33	31
	Top 2	67	68	67	75	66	63	71	52	68	68	65
	No Answer	2	1	1	0	1	0	1	21	1	1	4
Q1.11 - Develop and conduct training programs for government agency personnel	Mean	3	3	3	3	3	3	3	3	3	3	3
	Bottom 2	23	23	20	22	25	17	19	14	23	22	22
	1 Not important and not needed	6	7	4	5	8	3	5	5	6	6	8
	2	16	16	15	16	17	14	14	9	17	17	14
	3	31	32	30	35	31	33	27	32	32	29	33
	4	30	30	34	30	29	38	35	14	30	35	27
	5 Very important and needed right away	14	14	15	11	14	11	18	20	14	14	14
	Top 2	44	44	48	42	43	49	53	34	44	49	42
	No Answer	2	1	1	1	1	1	2	20	1	1	4
Q1.12 - Interpret research findings and assist in the identification of problems	Mean	4	4	4	4	4	4	4	4	4	4	4
	Bottom 2	3	3	2	3	4	3	2	2	3	4	3
	1 Not important and not needed	1	1	0	1	1	1	0	0	1	1	1
	2	2	2	2	2	3	1	2	2	2	3	2
	3	15	15	15	12	17	17	12	9	17	14	14
	4	40	42	35	46	38	45	41	39	39	41	42
	5 Very important and needed right away	39	38	46	39	39	34	45	29	40	40	36
	Top 2	80	80	80	84	78	79	85	68	79	81	78
	No Answer	2	1	2	0	1	1	1	21	1	1	5

ESCOP - ECOP Biotech Survey

			Gender <i>(32 Non Response)</i>		Position					Discipline		
Questions	Categories	TOTAL	Male	Female	Administration	Professor	Managerial/ Academic Professional	Extension Personnel	No Response/ Other	AgBio Scientists	Social Scientists	No Response/ Other
	COUNT(n)	1342	1064	246	204	807	76	199	56	654	339	349
Q1.13 - Provide research-based information to public policy makers	Mean	4	4	4	5	4	4	4	4	4	4	4
	Bottom 2	2	2	1	1	3	3	2	0	2	2	3
	1 Not important and not needed	1	1	0	1	1	0	1	0	1	1	1
	2	1	1	1	0	2	3	1	0	1	1	2
	3	7	7	7	4	8	5	6	5	7	8	5
	4	32	32	35	32	32	37	33	30	31	32	34
	5 Very important and needed right away	57	58	57	60	57	55	58	43	58	58	54
	Top 2	89	89	91	93	89	92	91	73	89	90	88
No Answer	2	1	1	1	1	0	2	21	1	0	4	
Q1.14 - Analyze and discuss the ethical implications of biotechnology	Mean	4	4	4	4	4	4	4	4	4	4	4
	Bottom 2	11	13	4	7	12	7	14	2	11	10	11
	1 Not important and not needed	3	4	1	3	4	0	5	0	3	4	3
	2	8	9	3	4	9	7	9	2	8	6	8
	3	23	23	22	20	22	24	28	21	24	23	19
	4	32	32	31	42	30	36	30	16	35	30	28
	5 Very important and needed right away	33	30	42	29	34	34	27	41	28	36	38
	Top 2	64	63	73	72	65	70	56	57	63	66	66
No Answer	2	1	1	1	1	0	3	20	2	0	4	
Q2.1 - Credibility with the public	Mean	4	4	4	4	4	4	4	4	4	4	4
	Bottom 2	5	5	5	2	6	5	2	4	5	5	5
	1 Does not describe the LGU system at all	1	1	2	0	1	1	1	2	1	1	1
	2	4	4	3	2	5	4	2	2	4	4	4
	3	21	20	24	13	24	24	18	20	20	20	24
	4	44	45	43	47	44	42	45	30	46	42	43
	5 Describes the LGU system very well	29	29	27	37	25	29	34	27	28	33	25
	Top 2	73	74	70	84	69	71	79	57	74	75	68
No Answer	2	1	1	1	1	0	1	20	1	0	4	

ESCOP - ECOP Biotech Survey

			Gender <i>(32 Non Response)</i>		Position					Discipline		
Questions	Categories	TOTAL	Male	Female	Administration	Professor	Managerial/ Academic Professional	Extension Personnel	No Response/ Other	AgBio Scientists	Social Scientists	No Response/ Other
	COUNT(n)	1342	1064	246	204	807	76	199	56	654	339	349
Q2.2 - Third party position for interaction with public and private entities	Mean	4	4	4	4	4	4	4	4	4	4	4
	Bottom 2	11	10	13	4	13	8	8	11	10	11	12
	1 Does not describe the LGU system at all	2	2	2	0	3	0	2	2	2	2	2
	2	9	8	11	4	11	8	7	9	7	9	11
	3	26	26	30	26	28	29	22	20	27	25	27
	4	39	40	35	44	36	46	44	38	40	40	36
	5 Describes the LGU system very well	22	22	20	25	21	17	25	13	22	23	20
	Top 2	61	63	55	69	57	63	69	50	62	63	56
	No Answer	2	1	2	1	1	0	2	20	1	0	5
Q2.3 - Scientific expertise and knowledge base	Mean	5	5	4	5	5	5	4	5	5	4	5
	Bottom 2	1	1	1	1	1	0	1	0	2	1	0
	1 Does not describe the LGU system at all	0	0	0	0	0	0	0	0	0	0	0
	2	1	1	1	0	1	0	1	0	1	1	0
	3	6	6	9	4	7	5	7	7	6	8	6
	4	30	30	31	24	30	34	35	23	27	34	31
	5 Describes the LGU system very well	61	63	58	70	61	61	57	50	65	57	59
	Top 2	91	92	89	94	91	95	91	73	92	91	90
	No Answer	2	1	1	1	1	0	1	20	1	0	4
Q2.4 - Interdisciplinary orientation and multidisciplinary expertise	Mean	4	4	4	4	4	4	4	4	4	4	4
	Bottom 2	8	8	11	4	10	7	7	5	7	11	7
	1 Does not describe the LGU system at all	2	2	3	1	3	1	1	4	3	2	2
	2	6	5	8	3	7	5	6	2	5	9	5
	3	24	23	29	24	23	30	29	23	24	28	21
	4	37	39	30	33	38	43	32	30	37	37	35
	5 Describes the LGU system very well	29	30	29	38	28	18	32	21	30	23	33
	Top 2	66	68	59	72	66	62	64	52	68	60	68
	No Answer	2	1	1	1	1	1	1	20	1	0	4

ESCOP - ECOP Biotech Survey

			Gender <i>(32 Non Response)</i>		Position					Discipline		
Questions	Categories	TOTAL	Male	Female	Administration	Professor	Managerial/ Academic Professional	Extension Personnel	No Response/ Other	AgBio Scientists	Social Scientists	No Response/ Other
	COUNT(n)	1342	1064	246	204	807	76	199	56	654	339	349
Q2.5 - Direct contact with public through extension programs	Mean	4	4	4	4	4	4	4	4	4	4	4
	Bottom 2	8	8	7	5	10	5	3	13	8	10	7
	1 Does not describe the LGU system at all	1	1	2	0	1	1	1	2	1	1	2
	2	7	7	5	5	9	4	2	11	7	8	5
	3	20	21	16	15	23	26	10	14	20	19	21
	4	35	34	39	38	35	34	33	38	34	35	37
	5 Describes the LGU system very well	35	36	36	40	31	34	54	16	37	36	31
	Top 2	70	70	75	78	66	68	86	54	71	72	68
No Answer	2	1	1	1	1	0	2	20	1	0	4	
Q2.6 - Links to farm and commodity groups	Mean	4	4	4	4	4	4	4	4	4	4	4
	Bottom 2	4	4	3	1	6	1	2	4	4	5	3
	1 Does not describe the LGU system at all	1	1	1	0	1	0	0	0	1	0	1
	2	3	3	2	1	4	1	2	4	3	4	2
	3	17	16	22	13	19	16	12	23	18	15	17
	4	37	38	32	38	36	54	38	21	34	42	37
	5 Describes the LGU system very well	37	37	36	42	35	24	44	27	39	33	35
	Top 2	73	76	67	80	71	78	82	48	73	75	72
No Answer	5	4	7	5	4	5	5	25	4	5	8	
Q2.7 - Other important strengths (Please list):		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Q3.1 - Slow to act and resistant to change	Mean	4	4	4	4	4	4	4	4	4	4	4
	Bottom 2	14	14	11	10	14	17	16	9	17	13	9
	1 Does not describe the LGU system at all	2	3	1	3	2	0	2	2	3	1	2
	2	11	12	10	7	12	17	14	7	13	11	7
	3	28	29	26	23	29	28	29	27	28	28	27
	4	34	34	35	50	32	33	33	25	34	34	36
	5 Describes the LGU system very well	23	22	27	18	24	22	23	20	21	25	23
	Top 2	57	56	62	67	56	55	56	45	55	59	59
No Answer	1	0	2	0	1	0	0	20	0	0	4	

ESCOP - ECOP Biotech Survey

			Gender <i>(32 Non Response)</i>		Position					Discipline		
Questions	Categories	TOTAL	Male	Female	Administration	Professor	Managerial/ Academic Professional	Extension Personnel	No Response/ Other	AgBio Scientists	Social Scientists	No Response/ Other
	COUNT(n)	1342	1064	246	204	807	76	199	56	654	339	349
Q3.2 - Not market driven in its programs	Mean	3	3	3	3	3	3	3	3	3	3	3
	Bottom 2	23	23	20	14	24	24	24	23	22	22	24
	1 Does not describe the LGU system at all	6	7	5	2	8	4	4	7	6	6	8
	2	16	16	15	12	16	20	21	16	17	16	16
	3	30	31	28	36	30	33	27	27	30	32	30
	4	30	29	35	37	29	20	33	25	31	29	30
	5 Describes the LGU system very well	15	15	15	11	16	24	16	5	17	17	11
	Top 2	45	45	50	49	44	43	49	30	47	46	41
	No Answer	2	1	2	1	1	0	0	20	0	1	5
Q3.3 - Limited ability to communicate with the lay public	Mean	3	3	3	3	3	3	2	3	3	3	3
	Bottom 2	44	44	42	49	40	39	59	34	43	46	42
	1 Does not describe the LGU system at all	14	14	13	12	13	14	22	11	14	15	13
	2	30	30	30	36	27	25	37	23	29	31	30
	3	27	27	27	28	29	24	20	23	28	24	28
	4	22	22	21	19	23	28	16	20	22	22	19
	5 Describes the LGU system very well	7	6	8	4	8	9	5	4	6	8	7
	Top 2	28	29	29	23	31	37	21	23	29	30	26
	No Answer	1	0	1	0	1	0	1	20	0	1	4
Q3.4 - Lack of flexibility in deployment of resources	Mean	4	4	4	4	4	4	4	4	4	4	4
	Bottom 2	13	14	11	13	13	12	15	5	14	12	13
	1 Does not describe the LGU system at all	3	3	2	2	3	1	2	2	3	2	3
	2	11	11	9	11	11	11	13	4	11	10	9
	3	25	24	29	24	23	32	30	30	25	25	25
	4	36	37	31	37	37	33	34	30	37	37	33
	5 Describes the LGU system very well	25	25	28	26	26	24	22	14	25	25	25
	Top 2	61	62	59	63	63	57	56	45	61	62	58
	No Answer	1	0	2	0	1	0	0	20	0	1	5

ESCOP - ECOP Biotech Survey

			Gender <i>(32 Non Response)</i>		Position					Discipline		
Questions	Categories	TOTAL	Male	Female	Administration	Professor	Managerial/ Academic Professional	Extension Personnel	No Response/ Other	AgBio Scientists	Social Scientists	No Response/ Other
	COUNT(n)	1342	1064	246	204	807	76	199	56	654	339	349
Q3.5 - Shrinking government funding	Mean	4	4	4	4	4	4	4	4	4	4	4
	Bottom 2	5	5	5	6	5	7	4	4	7	4	4
	1 Does not describe the LGU system at all	2	2	2	1	2	3	1	4	2	1	2
	2	4	4	3	5	4	4	3	0	5	3	2
	3	11	11	11	12	10	16	9	9	10	14	8
	4	26	27	24	28	25	33	26	30	22	35	26
	5 Describes the LGU system very well	56	56	59	53	58	45	62	38	61	46	58
	Top 2	83	83	83	81	83	78	87	68	83	81	85
No Answer	1	1	1	0	1	0	1	20	0	1	4	
Q3.6 - Limited attention to social and ethical issues	Mean	3	3	3	3	3	3	3	4	3	3	3
	Bottom 2	26	27	22	25	27	22	29	14	29	24	23
	1 Does not describe the LGU system at all	7	7	6	10	7	4	7	2	7	6	6
	2	19	20	16	15	21	18	22	13	21	18	17
	3	32	33	30	35	32	32	33	23	36	23	32
	4	25	25	26	29	25	28	23	21	23	28	25
	5 Describes the LGU system very well	15	14	21	11	16	18	14	21	11	24	15
	Top 2	40	39	47	40	41	46	37	43	34	53	40
No Answer	1	1	2	0	1	0	1	20	1	1	4	
Q3.7 - Lack of coordination and cooperation among Land Grant Universities	Mean	3	3	3	3	3	3	3	3	3	3	3
	Bottom 2	23	25	17	27	22	21	25	23	25	22	22
	1 Does not describe the LGU system at all	6	6	5	7	6	4	5	7	6	7	4
	2	18	19	12	21	16	17	20	16	19	15	18
	3	31	31	29	30	31	34	31	25	33	30	27
	4	27	26	32	28	28	24	29	18	27	30	26
	5 Describes the LGU system very well	14	14	15	11	15	20	10	13	13	15	15
	Top 2	41	41	47	40	43	43	39	30	40	45	41
No Answer	5	3	7	2	4	1	5	21	3	3	9	
Q3.8 - Other important weaknesses (Please list):		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

ESCOP - ECOP Biotech Survey

			Gender <i>(32 Non Response)</i>		Position					Discipline		
Questions	Categories	TOTAL	Male	Female	Administration	Professor	Managerial/ Academic Professional	Extension Personnel	No Response/ Other	AgBio Scientists	Social Scientists	No Response/ Other
	COUNT(n)	1342	1064	246	204	807	76	199	56	654	339	349
Q4.1 - Chance to access new sources of funding	Mean	4	4	4	4	4	4	4	4	4	4	4
	Bottom 2	7	7	8	4	7	8	8	13	6	9	7
	1 Not important	3	3	2	0	3	4	3	7	2	3	4
	2	4	4	7	4	4	4	5	5	4	6	3
	3	20	20	21	14	23	18	19	9	21	22	16
	4	40	41	35	45	38	36	46	29	38	44	38
	5 Very important	32	31	35	38	31	38	27	27	34	24	34
	Top 2	71	72	70	82	69	74	72	55	72	68	72
No Answer	2	1	1	0	1	0	1	23	1	1	5	
Q4.2 - Opportunities to apply multi-disciplinary expertise	Mean	4	4	4	4	4	4	4	4	4	4	4
	Bottom 2	4	4	3	2	5	4	2	2	4	4	3
	1 Not important	1	2	1	0	2	0	1	2	1	2	1
	2	3	3	2	2	3	4	2	0	3	2	3
	3	13	12	14	11	12	11	19	7	12	15	12
	4	40	42	33	38	40	45	42	30	40	41	38
	5 Very important	42	41	48	49	42	41	37	38	43	40	42
	Top 2	82	82	82	87	82	86	79	68	83	81	80
No Answer	2	1	1	0	1	0	1	23	1	1	5	
Q4.3 - Chance to provide relevant information and real service to farmers	Mean	4	4	4	4	4	4	4	4	4	4	4
	Bottom 2	7	6	8	3	8	4	6	11	6	9	6
	1 Not important	2	2	3	0	2	1	3	2	2	2	2
	2	5	5	5	3	5	3	3	9	4	6	4
	3	18	18	17	18	18	20	15	13	18	20	15
	4	36	37	31	36	37	47	31	20	35	37	36
	5 Very important	38	37	42	42	35	29	48	34	40	34	38
	Top 2	74	75	74	78	73	76	78	54	76	71	74
No Answer	2	1	1	0	1	0	1	23	1	1	5	

ESCOP - ECOP Biotech Survey

			Gender <i>(32 Non Response)</i>		Position					Discipline		
Questions	Categories	TOTAL	Male	Female	Administration	Professor	Managerial/ Academic Professional	Extension Personnel	No Response/ Other	AgBio Scientists	Social Scientists	No Response/ Other
	COUNT(n)	1342	1064	246	204	807	76	199	56	654	339	349
Q4.4 - Chance to increase its capability for dealing with complex and controversial issues	Mean	4	4	4	4	4	4	4	4	4	4	4
	Bottom 2	6	7	5	4	7	5	8	0	8	4	7
	1 Not important	1	1	1	0	2	0	2	0	2	1	1
	2	5	6	4	4	5	5	7	0	6	2	7
	3	22	23	17	19	23	22	21	16	22	18	23
	4	36	37	35	36	38	34	35	25	39	35	32
	5 Very important	34	32	42	40	31	38	36	34	30	42	33
	Top 2	70	69	76	76	69	72	70	59	69	78	64
No Answer	2	1	1	0	1	0	1	25	1	1	5	
Q4.5 - Opportunity to remain relevant	Mean	4	4	4	4	4	4	4	4	4	4	4
	Bottom 2	5	5	4	3	6	5	4	4	7	4	3
	1 Not important	2	2	2	0	2	1	3	2	3	1	1
	2	3	3	2	3	4	4	2	2	4	2	2
	3	14	14	13	8	17	13	13	9	14	14	15
	4	37	39	30	36	37	50	35	29	36	37	36
	5 Very important	42	40	51	50	40	30	47	36	41	43	40
	Top 2	78	78	80	86	76	80	82	64	78	81	77
No Answer	3	2	2	2	2	1	2	23	2	1	6	
Q4.6 - Other important opportunities (Please list):		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Q5.1 - May not be perceived as neutral on the topic	Mean	4	4	4	4	4	4	4	4	4	4	4
	Bottom 2	12	13	11	10	13	12	15	9	14	12	10
	1 Not serious	4	4	2	2	4	3	5	0	4	4	3
	2	8	8	9	8	8	9	10	9	10	7	6
	3	18	17	20	21	17	22	16	18	18	16	18
	4	33	36	23	41	33	25	30	23	35	30	33
	5 Very serious	35	33	45	28	36	41	39	30	33	40	35
	Top 2	68	69	68	69	70	66	69	54	68	71	68
No Answer	2	1	1	0	1	0	1	20	1	1	4	

ESCOP - ECOP Biotech Survey

			Gender <i>(32 Non Response)</i>		Position					Discipline		
Questions	Categories	TOTAL	Male	Female	Administration	Professor	Managerial/ Academic Professional	Extension Personnel	No Response/ Other	AgBio Scientists	Social Scientists	No Response/ Other
	COUNT(n)	1342	1064	246	204	807	76	199	56	654	339	349
Q5.2 - Could cause negative reaction from traditional clientele	Mean	3	3	3	3	3	3	3	3	3	3	3
	Bottom 2	30	31	24	28	31	24	29	16	32	29	25
	1 Not serious	8	8	5	7	8	5	8	4	9	8	6
	2	22	23	19	21	23	18	21	13	23	21	19
	3	32	31	38	35	30	34	34	30	31	32	33
	4	26	27	24	28	27	32	22	23	26	26	26
	5 Very serious	11	11	12	8	11	11	15	11	10	12	11
	Top 2	37	37	37	36	37	42	37	34	36	39	38
	No Answer	2	1	1	0	1	0	1	20	1	1	4
Q5.3 - May cause declines in traditional funding sources	Mean	3	3	3	3	3	3	3	3	3	3	3
	Bottom 2	37	38	35	45	37	29	37	27	38	40	34
	1 Not serious	10	10	10	10	11	5	9	13	10	13	9
	2	27	28	25	35	26	24	28	14	28	27	26
	3	30	30	33	30	29	34	35	29	29	32	31
	4	20	20	22	19	20	30	18	14	20	21	19
	5 Very serious	11	11	9	6	12	7	10	11	12	6	11
	Top 2	31	31	31	25	33	37	28	25	32	27	30
	No Answer	2	1	1	0	1	0	1	20	1	1	4
Q5.4 - May face competition from other groups to do the same work	Mean	4	4	4	3	4	4	4	4	3	4	4
	Bottom 2	20	22	16	24	20	16	20	14	22	19	18
	1 Not serious	6	7	6	9	7	3	6	4	6	8	6
	2	14	15	10	14	14	13	15	11	16	11	13
	3	24	23	26	25	23	28	24	20	24	25	23
	4	30	31	32	32	30	41	28	18	31	30	30
	5 Very serious	24	24	25	19	24	14	27	29	23	24	24
	Top 2	54	54	57	51	55	55	55	46	54	54	54
	No Answer	2	1	2	0	2	1	1	20	1	1	4
Q5.5 - Other threats (Please list):		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

ESCOP - ECOP Biotech Survey

			Gender <i>(32 Non Response)</i>		Position					Discipline		
Questions	Categories	TOTAL	Male	Female	Administration	Professor	Managerial/ Academic Professional	Extension Personnel	No Response/ Other	AgBio Scientists	Social Scientists	No Response/ Other
	COUNT(n)	1342	1064	246	204	807	76	199	56	654	339	349
Q6.1 - Linkages between public agricultural research institutions and private companies should be strengthened	Mean	3	3	3	4	3	3	3	3	3	3	3
	Bottom 2	23	20	34	10	25	32	24	29	20	28	24
	1 Strongly disagree	9	8	14	2	10	12	9	14	8	10	10
	2	14	12	20	8	14	20	15	14	11	18	14
	3 Neutral	28	28	28	29	29	20	26	13	28	26	27
	4	30	32	23	34	29	28	32	25	31	29	30
	5 Strongly agree	18	19	14	25	16	20	18	14	20	16	16
	Top 2	48	51	37	60	45	47	50	39	51	45	45
No Answer	2	1	1	0	1	1	1	20	1	1	4	
Q6.2 - Increased university-industry linkages are essential in developing new technologies to meet foreign competition	Mean	3	3	3	4	3	3	3	3	3	3	3
	Bottom 2	24	23	29	12	27	30	19	29	22	28	23
	1 Strongly disagree	9	9	9	2	10	11	8	11	8	11	8
	2	15	14	20	9	17	20	11	18	14	17	15
	3 Neutral	26	26	27	23	27	21	29	18	24	27	27
	4	31	32	27	40	27	37	36	25	33	29	30
	5 Strongly agree	18	19	16	25	18	12	16	9	21	15	16
	Top 2	49	51	43	65	45	49	52	34	54	43	46
No Answer	2	1	1	0	1	0	1	20	0	1	4	
Q6.3 - Universities should avoid becoming too involved in biotechnology research with private companies	Mean	3	3	3	3	3	3	3	3	3	3	3
	Bottom 2	38	41	28	52	36	41	36	30	42	34	36
	1 Strongly disagree	15	16	11	21	15	9	14	13	18	13	13
	2	23	24	17	31	21	32	22	18	24	21	23
	3 Neutral	20	20	21	22	19	13	27	14	20	20	21
	4	24	23	30	19	26	25	24	14	23	25	24
	5 Strongly agree	16	16	20	7	19	21	13	21	15	20	15
	Top 2	40	38	50	26	44	46	37	36	38	45	39
No Answer	1	1	1	0	1	0	1	20	0	1	4	

ESCOP - ECOP Biotech Survey

			Gender <i>(32 Non Response)</i>		Position					Discipline		
Questions	Categories	TOTAL	Male	Female	Administration	Professor	Managerial/ Academic Professional	Extension Personnel	No Response/ Other	AgBio Scientists	Social Scientists	No Response/ Other
	COUNT(n)	1342	1064	246	204	807	76	199	56	654	339	349
Q6.4 - Increased linkages between public agricultural researchers and private firms will enable more rapid transfer of new technology to farmers	Mean	3	3	3	4	3	4	4	3	4	3	3
	Bottom 2	19	18	24	12	22	17	16	20	18	22	18
	1 Strongly disagree	7	7	7	5	8	4	4	14	6	8	7
	2	12	11	17	7	14	13	12	5	12	13	11
	3 Neutral	25	25	28	25	26	24	27	20	25	25	27
	4	37	39	30	44	36	37	36	27	39	34	37
	5 Strongly agree	17	17	17	19	15	22	21	14	18	18	14
	Top 2	54	56	47	63	51	59	57	41	57	51	51
	No Answer	2	1	1	0	1	0	1	20	0	2	4
Q6.5 - Private industry has too much influence on land-grant biotechnology research	Mean	3	3	3	3	3	3	3	3	3	3	3
	Bottom 2	34	37	23	47	33	24	31	23	40	28	27
	1 Strongly disagree	11	13	7	16	11	8	11	5	15	9	8
	2	23	24	16	31	22	16	20	18	26	20	19
	3 Neutral	27	26	33	22	26	28	34	20	24	27	30
	4	21	21	22	25	21	24	15	16	20	21	22
	5 Strongly agree	17	16	21	6	18	24	19	21	15	22	15
	Top 2	38	37	43	31	39	47	34	38	35	43	38
	No Answer	2	1	2	0	1	1	2	20	0	1	5
Q6.6 - Linkages between public agricultural and private firms help make agricultural research institutions more relevant to the needs of farmers	Mean	3	3	3	4	3	3	3	3	3	3	3
	Bottom 2	24	23	33	16	26	32	25	21	23	29	22
	1 Strongly disagree	9	8	13	2	10	12	10	16	8	11	8
	2	16	14	20	13	16	20	16	5	15	18	14
	3 Neutral	26	24	35	25	27	25	26	23	26	25	28
	4	35	39	21	47	33	33	37	25	37	35	32
	5 Strongly agree	12	13	9	12	12	11	12	11	14	9	12
	Top 2	47	52	30	59	45	43	49	36	51	44	45
	No Answer	2	1	2	1	1	0	1	20	0	2	5

ESCOP - ECOP Biotech Survey

			Gender <i>(32 Non Response)</i>		Position					Discipline		
Questions	Categories	TOTAL	Male	Female	Administration	Professor	Managerial/ Academic Professional	Extension Personnel	No Response/ Other	AgBio Scientists	Social Scientists	No Response/ Other
	COUNT(n)	1342	1064	246	204	807	76	199	56	654	339	349
Q6.7 - If linkages between public agricultural researchers and private industry continue to increase, public research will have become too oriented to the needs of industry	Mean	3	3	4	3	4	4	4	3	3	3	4
	Bottom 2	24	26	14	35	23	22	18	21	26	25	19
	1 Strongly disagree	6	6	4	9	5	4	6	5	7	6	4
	2	18	20	11	26	18	18	12	16	19	19	15
	3 Neutral	23	24	22	25	22	17	28	21	24	19	25
	4	28	28	29	30	27	25	30	14	27	28	28
	5 Strongly agree	24	22	33	9	27	36	22	23	23	25	24
	Top 2	51	49	62	40	54	61	52	38	50	53	52
No Answer	2	1	2	0	1	0	2	20	1	2	4	
Q6.8 - Increased corporate sponsorship of land grant agricultural research is necessary because public research funds are no longer adequate	Mean	4	4	3	4	4	4	3	3	4	3	4
	Bottom 2	18	17	24	12	20	17	19	21	17	23	17
	1 Strongly disagree	8	8	11	4	8	11	11	11	7	11	9
	2	10	9	13	8	12	7	8	11	10	12	8
	3 Neutral	22	20	27	20	21	28	25	20	20	25	21
	4	33	35	28	41	31	28	36	29	34	33	31
	5 Strongly agree	25	27	20	27	27	26	20	11	28	17	27
	Top 2	58	61	48	68	58	54	56	39	62	50	58
No Answer	2	1	2	0	1	1	1	20	1	1	4	
Q7.1 - Lower costs for farmers	Mean	4	4	4	4	4	4	4	3	4	4	4
	Bottom 2	13	13	16	9	14	12	16	18	12	17	12
	1 Not important	6	6	8	2	7	7	8	14	6	8	5
	2	7	7	8	7	7	5	8	4	6	9	7
	3	21	22	21	27	20	29	17	21	21	21	21
	4	35	35	35	31	38	30	31	20	35	35	35
	5 Very important	28	29	26	32	26	29	36	21	31	25	26
	Top 2	63	64	61	63	64	59	67	41	66	60	61
No Answer	2	1	2	0	2	0	1	20	1	2	5	

ESCOP - ECOP Biotech Survey

			Gender <i>(32 Non Response)</i>		Position					Discipline		
Questions	Categories	TOTAL	Male	Female	Administration	Professor	Managerial/ Academic Professional	Extension Personnel	No Response/ Other	AgBio Scientists	Social Scientists	No Response/ Other
	COUNT(n)	1342	1064	246	204	807	76	199	56	654	339	349
Q7.2 - Reduce the need for chemical pesticides or herbicides	Mean	4	4	4	4	4	4	4	4	4	4	4
	Bottom 2	5	5	6	2	5	4	6	7	6	5	3
	1 Not important	2	2	4	1	2	3	3	5	2	2	1
	2	3	3	2	1	3	1	3	2	3	3	2
	3	9	9	10	6	9	12	12	7	9	10	9
	4	31	31	34	29	32	32	34	20	31	36	28
	5 Very important	52	54	48	61	52	53	48	46	54	47	55
	Top 2	84	85	82	91	84	84	81	66	85	83	83
No Answer	2	1	2	0	2	0	1	20	1	1	5	
Q7.3 - Improve the taste of food	Mean	3	3	3	3	3	3	3	3	3	3	3
	Bottom 2	31	31	33	29	31	36	29	36	30	32	32
	1 Not important	11	11	13	6	12	12	14	16	11	11	12
	2	20	20	20	23	19	24	16	20	18	22	20
	3	33	35	29	38	35	32	29	14	33	32	33
	4	26	25	27	27	24	25	36	16	27	27	22
	5 Very important	8	8	9	6	9	8	6	14	9	7	8
	Top 2	34	33	37	33	33	33	41	30	36	34	30
No Answer	2	1	2	0	2	0	1	20	1	1	5	
Q7.4 - Lower the cost of ingredients for food processors	Mean	3	3	3	3	3	3	3	3	3	3	3
	Bottom 2	27	28	29	24	27	34	31	32	26	31	27
	1 Not important	10	9	14	7	10	11	13	18	9	14	8
	2	17	18	15	17	17	24	18	14	17	17	19
	3	31	32	28	38	30	37	30	16	33	29	30
	4	29	30	28	31	30	18	30	25	30	29	28
	5 Very important	9	9	10	6	11	9	8	7	10	9	8
	Top 2	39	39	39	38	41	28	38	32	40	38	37
No Answer	3	1	4	0	2	1	2	20	1	2	6	

ESCOP - ECOP Biotech Survey

			Gender <i>(32 Non Response)</i>		Position					Discipline		
Questions	Categories	TOTAL	Male	Female	Administration	Professor	Managerial/ Academic Professional	Extension Personnel	No Response/ Other	AgBio Scientists	Social Scientists	No Response/ Other
	COUNT(n)	1342	1064	246	204	807	76	199	56	654	339	349
Q7.5 - Improve the safety of foods	Mean	4	4	4	4	4	4	4	4	4	4	4
	Bottom 2	9	9	11	5	10	13	8	11	9	10	9
	1 Not important	4	4	7	1	5	8	4	7	4	4	4
	2	5	5	5	3	6	5	4	4	4	6	5
	3	15	15	13	10	16	13	15	13	15	16	12
	4	34	36	27	35	35	33	34	20	35	35	32
	5 Very important	40	39	46	50	37	41	42	38	39	38	42
	Top 2	74	75	73	84	72	74	76	57	75	72	74
No Answer	2	1	2	0	2	0	1	20	1	1	5	
Q7.6 - Reduce the type or amount of fat in foods	Mean	3	3	3	4	3	3	3	3	3	3	3
	Bottom 2	19	17	25	15	19	24	18	23	18	20	19
	1 Not important	8	7	12	3	8	12	9	13	7	8	8
	2	11	10	13	12	11	12	9	11	10	12	11
	3	28	28	28	25	29	28	28	21	30	24	27
	4	36	37	33	42	36	32	39	20	37	40	32
	5 Very important	15	16	11	17	14	17	15	16	14	14	17
	Top 2	51	53	44	59	50	49	54	36	51	55	49
No Answer	2	1	2	0	2	0	1	20	1	2	5	
Q7.7 - Enhance nutritional quality of animal feed	Mean	4	4	4	4	4	4	4	3	4	4	4
	Bottom 2	9	9	11	6	9	13	11	14	9	11	8
	1 Not important	4	4	6	2	4	5	5	7	4	6	3
	2	5	5	5	4	5	8	6	7	6	6	5
	3	23	22	26	23	22	30	26	18	20	26	25
	4	46	48	40	48	49	37	43	36	50	45	40
	5 Very important	19	19	20	23	19	18	20	13	20	15	22
	Top 2	65	67	60	71	67	55	62	48	70	60	62
No Answer	2	1	2	0	2	1	1	20	1	2	5	

ESCOP - ECOP Biotech Survey

			Gender <i>(32 Non Response)</i>		Position					Discipline		
Questions	Categories	TOTAL	Male	Female	Administration	Professor	Managerial/ Academic Professional	Extension Personnel	No Response/ Other	AgBio Scientists	Social Scientists	No Response/ Other
	COUNT(n)	1342	1064	246	204	807	76	199	56	654	339	349
Q7.8 - Produce higher quality food ingredients	Mean	4	4	4	4	4	4	4	4	4	4	4
	Bottom 2	9	8	11	5	9	11	11	13	8	11	8
	1 Not important	4	4	7	1	4	7	6	9	4	5	4
	2	5	5	4	4	5	4	6	4	4	6	4
	3	19	18	23	14	21	16	19	14	18	20	19
	4	46	47	45	50	45	43	49	32	47	45	44
	5 Very important	24	25	18	30	23	28	20	21	25	21	23
	Top 2	70	72	63	81	68	71	68	54	72	66	68
No Answer	3	2	4	0	2	3	2	20	1	3	5	
Q7.9 - Lower the cost of food for consumers	Mean	3	3	3	4	3	3	3	3	3	3	3
	Bottom 2	23	23	24	18	24	28	23	21	24	22	21
	1 Not important	9	9	11	4	10	11	13	7	9	11	9
	2	14	14	13	14	14	17	10	14	16	12	12
	3	26	26	26	31	25	25	24	21	27	24	25
	4	28	29	27	27	29	22	32	23	26	32	30
	5 Very important	20	21	20	23	20	25	20	13	22	20	19
	Top 2	49	50	47	50	49	47	52	36	47	52	49
No Answer	3	1	4	1	2	0	2	21	1	2	5	
Q7.10 - Promote environmental protection or sustainability	Mean	4	4	4	4	4	4	4	4	4	4	4
	Bottom 2	7	6	8	3	7	7	7	9	7	7	6
	1 Not important	3	3	4	0	3	4	3	5	4	3	1
	2	4	4	4	3	4	3	5	4	3	4	5
	3	11	12	9	7	12	13	14	7	10	13	10
	4	32	34	25	29	33	34	33	25	32	35	28
	5 Very important	48	46	57	59	46	45	45	39	49	43	51
	Top 2	80	80	82	88	79	79	78	64	81	78	79
No Answer	2	2	2	1	2	1	1	20	1	2	5	

ESCOP - ECOP Biotech Survey

			Gender <i>(32 Non Response)</i>		Position					Discipline		
Questions	Categories	TOTAL	Male	Female	Administration	Professor	Managerial/ Academic Professional	Extension Personnel	No Response/ Other	AgBio Scientists	Social Scientists	No Response/ Other
	COUNT(n)	1342	1064	246	204	807	76	199	56	654	339	349
Q7.11 - Enhance nutritional content of foods	Mean	4	4	4	4	4	4	4	4	4	4	4
	Bottom 2	7	7	9	2	8	12	9	13	7	10	6
	1 Not important	3	3	5	0	3	4	5	7	3	4	3
	2	4	4	4	1	4	8	5	5	4	6	3
	3	16	15	19	11	17	17	15	13	16	14	16
	4	41	42	37	43	40	41	49	29	42	44	38
	5 Very important	33	34	32	43	33	29	27	25	34	30	35
	Top 2	74	76	69	86	73	70	75	54	75	74	73
No Answer	3	2	2	1	2	1	1	21	2	2	5	
Q8.1 - Farmers in the US	Mean	4	4	4	4	4	3	4	3	4	3	4
	Bottom 2	17	17	17	9	17	24	19	27	15	27	11
	1 No benefit	5	5	7	1	5	8	6	14	4	9	3
	2	12	12	9	8	12	16	14	13	11	18	8
	3	19	19	21	16	21	24	17	11	18	22	19
	4	37	37	37	48	35	29	36	29	36	33	41
	5 Great benefit	25	26	22	26	25	22	28	13	30	16	25
	Top 2	61	63	60	75	60	51	63	41	66	49	66
No Answer	2	2	2	1	2	1	1	21	1	2	5	
Q8.2 - Farmers in developing countries	Mean	3	3	3	3	3	3	3	3	3	3	3
	Bottom 2	29	28	33	24	29	41	26	34	27	37	24
	1 No benefit	10	9	15	5	10	16	12	16	10	13	9
	2	19	19	17	19	19	25	14	18	17	24	16
	3	22	23	19	23	21	25	25	20	22	22	22
	4	24	24	26	27	24	13	27	13	23	25	26
	5 Great benefit	23	24	20	25	23	21	22	13	27	14	23
	Top 2	47	48	46	52	48	34	49	25	50	39	49
No Answer	2	2	2	1	2	0	1	21	1	2	5	

ESCOP - ECOP Biotech Survey

			Gender <i>(32 Non Response)</i>		Position					Discipline		
Questions	Categories	TOTAL	Male	Female	Administration	Professor	Managerial/ Academic Professional	Extension Personnel	No Response/ Other	AgBio Scientists	Social Scientists	No Response/ Other
	COUNT(n)	1342	1064	246	204	807	76	199	56	654	339	349
Q8.3 - Biotechnology companies	Mean	5	5	5	5	5	5	5	5	5	5	5
	Bottom 2	1	0	1	0	1	0	1	2	0	1	1
	1 No benefit	0	0	1	0	0	0	0	2	0	1	0
	2	0	0	0	0	0	0	1	0	0	0	0
	3	3	3	3	4	3	0	2	4	3	2	4
	4	23	24	15	28	22	24	22	16	24	22	21
	5 Great benefit	71	71	79	67	73	75	74	57	71	74	69
	Top 2	94	95	94	95	95	99	96	73	96	95	91
No Answer	2	2	2	1	2	1	1	21	1	2	5	
Q8.4 - Food processors or manufacturers	Mean	4	4	4	4	4	4	4	4	4	4	4
	Bottom 2	6	6	8	5	6	11	7	11	6	7	7
	1 No benefit	1	1	1	0	1	3	1	2	0	2	0
	2	6	5	7	5	5	8	6	9	5	5	7
	3	24	25	19	23	25	16	23	16	26	19	25
	4	45	45	47	51	44	42	47	32	46	50	39
	5 Great benefit	22	22	24	20	22	30	23	20	22	22	23
	Top 2	68	67	71	71	67	72	69	52	68	73	62
No Answer	2	2	2	1	2	1	1	21	1	2	5	
Q8.5 - Consumers in the US	Mean	3	4	3	4	3	3	3	3	4	3	3
	Bottom 2	17	15	26	8	17	33	18	18	16	18	17
	1 No benefit	6	5	13	2	5	14	10	14	5	9	7
	2	10	10	13	5	12	18	9	4	11	9	10
	3	30	30	33	24	33	24	28	27	31	30	28
	4	32	34	27	41	30	25	37	25	33	31	32
	5 Great benefit	18	20	11	27	18	17	16	9	19	18	18
	Top 2	51	54	39	68	48	42	53	34	52	50	50
No Answer	2	2	2	1	2	1	1	21	1	2	5	

ESCOP - ECOP Biotech Survey

			Gender <i>(32 Non Response)</i>		Position					Discipline		
Questions	Categories	TOTAL	Male	Female	Administration	Professor	Managerial/ Academic Professional	Extension Personnel	No Response/ Other	AgBio Scientists	Social Scientists	No Response/ Other
	COUNT(n)	1342	1064	246	204	807	76	199	56	654	339	349
Q8.6 - Consumers in developing countries	Mean	3	3	3	4	3	3	3	3	3	3	3
	Bottom 2	30	29	37	23	31	45	28	30	29	32	30
	1 No benefit	13	11	19	6	12	22	15	18	12	13	13
	2	18	18	17	16	19	22	13	13	17	19	17
	3	21	21	22	19	22	18	23	21	21	26	17
	4	23	23	21	25	23	16	26	11	23	19	26
	5 Great benefit	24	25	18	33	22	21	23	16	26	21	22
	Top 2	46	48	39	57	45	37	49	27	49	40	47
No Answer	2	2	2	1	2	0	1	21	1	2	5	
Q8.7 - Land Grant Universities	Mean	3	3	3	4	3	3	3	3	3	3	3
	Bottom 2	15	14	18	11	15	16	16	20	12	19	15
	1 No benefit	4	4	6	3	4	3	6	11	3	7	4
	2	10	10	13	8	11	13	10	9	9	12	11
	3	37	38	37	33	38	33	42	21	38	39	34
	4	36	38	30	44	36	43	30	36	37	34	38
	5 Great benefit	9	9	11	11	9	7	12	2	11	6	8
	Top 2	45	47	41	55	44	50	41	38	48	40	46
No Answer	3	2	3	1	3	1	1	21	2	3	5	
Q9.1 - Lack of labeling for consumer choice	Mean	4	3	4	3	3	4	4	4	3	4	4
	Bottom 2	22	25	10	25	23	11	19	13	28	12	19
	1 Not important	10	12	2	9	11	4	9	11	12	5	10
	2	12	13	8	17	12	7	11	2	16	8	9
	3	22	23	18	23	22	26	24	11	26	21	17
	4	26	26	24	33	24	26	27	18	24	29	27
	5 Very important	28	24	45	19	28	34	30	36	22	36	31
	Top 2	54	50	70	51	53	61	56	54	45	65	58
No Answer	2	2	2	0	2	3	1	23	1	2	6	

ESCOP - ECOP Biotech Survey

			Gender <i>(32 Non Response)</i>		Position					Discipline		
Questions	Categories	TOTAL	Male	Female	Administration	Professor	Managerial/ Academic Professional	Extension Personnel	No Response/ Other	AgBio Scientists	Social Scientists	No Response/ Other
	COUNT(n)	1342	1064	246	204	807	76	199	56	654	339	349
Q9.2 - Potential food safety/health risks	Mean	3	3	4	3	3	4	4	4	3	4	3
	Bottom 2	31	35	13	35	32	24	28	11	39	16	30
	1 Not important	9	11	4	7	11	4	9	5	12	4	10
	2	21	24	9	28	22	20	19	5	26	12	20
	3	18	18	16	24	18	12	16	4	18	17	18
	4	24	23	26	21	24	25	23	34	24	29	19
	5 Very important	25	21	43	20	24	37	33	29	19	36	28
	Top 2	49	44	70	41	47	62	56	63	42	65	46
	No Answer	3	2	2	0	2	3	1	23	1	2	6
Q9.3 - Potential negative environmental or ecological impacts	Mean	4	3	4	3	4	4	4	4	3	4	4
	Bottom 2	22	25	9	23	23	17	21	9	27	15	19
	1 Not important	6	7	1	5	6	3	5	4	7	4	5
	2	16	18	8	17	17	14	17	5	20	12	14
	3	20	22	13	25	19	13	22	13	21	18	20
	4	25	26	24	31	25	25	26	11	27	28	20
	5 Very important	31	26	52	21	31	42	31	45	25	37	36
	Top 2	56	52	77	52	56	67	57	55	52	65	56
	No Answer	2	2	2	0	2	3	1	23	1	2	5
Q9.4 - Moral or ethical issues	Mean	3	3	4	3	3	3	3	4	3	3	3
	Bottom 2	31	35	14	32	34	29	21	18	35	23	30
	1 Not important	13	15	4	13	15	7	9	11	16	6	12
	2	18	20	10	20	19	22	13	7	19	17	17
	3	26	26	27	30	25	21	30	11	27	26	24
	4	21	19	29	24	19	21	27	23	21	22	21
	5 Very important	20	18	28	14	20	26	22	25	16	27	20
	Top 2	41	37	57	38	39	47	48	48	37	49	41
	No Answer	2	2	2	0	2	3	1	23	1	2	5

ESCOP - ECOP Biotech Survey

			Gender <i>(32 Non Response)</i>		Position					Discipline		
Questions	Categories	TOTAL	Male	Female	Administration	Professor	Managerial/ Academic Professional	Extension Personnel	No Response/ Other	AgBio Scientists	Social Scientists	No Response/ Other
	COUNT(n)	1342	1064	246	204	807	76	199	56	654	339	349
Q9.5 - Long term effects / impacts on future generations	Mean	4	3	4	3	3	4	4	4	3	4	4
	Bottom 2	24	28	8	25	27	12	18	11	27	16	24
	1 Not important	9	10	3	11	9	1	7	5	11	4	9
	2	15	18	4	14	17	11	12	5	16	12	15
	3	19	19	18	26	18	18	19	7	22	12	19
	4	25	25	25	28	26	17	24	18	24	33	19
	5 Very important	30	26	46	21	27	49	39	41	24	38	32
	Top 2	55	51	72	49	53	66	63	59	48	71	51
No Answer	3	2	2	0	2	4	1	23	2	2	5	
Q9.6 - Increased corporate control over agriculture	Mean	4	4	4	3	4	4	4	4	4	4	4
	Bottom 2	17	19	9	25	17	11	12	7	17	18	15
	1 Not important	5	6	2	8	6	1	4	0	5	6	5
	2	11	12	8	17	11	9	8	7	12	12	10
	3	17	17	18	21	17	11	17	21	20	14	15
	4	26	27	20	27	27	28	22	11	26	27	24
	5 Very important	38	36	51	27	37	49	49	38	36	39	41
	Top 2	64	63	71	54	64	76	70	48	62	66	65
No Answer	2	2	2	0	2	3	1	23	1	2	5	
Q9.7 - Increased costs or prices of products developed through biotechnology	Mean	3	3	4	3	3	3	3	3	3	3	3
	Bottom 2	29	32	17	35	31	14	24	18	30	30	26
	1 Not important	9	10	5	8	11	4	7	4	9	9	8
	2	20	22	12	27	20	11	17	14	21	21	17
	3	29	29	30	33	28	32	26	27	28	28	30
	4	25	24	29	22	25	38	27	13	26	27	23
	5 Very important	15	13	22	10	14	13	23	20	14	13	16
	Top 2	40	37	51	31	39	51	50	32	40	40	39
No Answer	3	2	2	0	2	3	1	23	1	2	6	

ESCOP - ECOP Biotech Survey

			Gender <i>(32 Non Response)</i>		Position					Discipline		
Questions	Categories	TOTAL	Male	Female	Administration	Professor	Managerial/ Academic Professional	Extension Personnel	No Response/ Other	AgBio Scientists	Social Scientists	No Response/ Other
	COUNT(n)	1342	1064	246	204	807	76	199	56	654	339	349
Q9.8 - Logistical and segregation problems in marketing	Mean	4	4	4	4	4	4	4	4	4	4	3
	Bottom 2	17	18	13	19	17	16	13	21	17	15	20
	1 Not important	6	6	3	5	7	4	3	4	6	4	6
	2	11	12	11	14	11	12	10	18	10	11	14
	3	25	25	28	26	26	29	23	13	26	25	25
	4	29	29	28	35	28	26	28	18	29	29	28
	5 Very important	26	26	28	20	26	26	34	25	27	29	21
	Top 2	55	55	56	54	54	53	62	43	56	58	49
No Answer	3	2	3	1	2	3	2	23	2	2	5	
Q9.9 - Lack of benefits for consumers	Mean	3	3	4	3	3	4	3	4	3	3	3
	Bottom 2	30	34	16	38	32	20	24	14	32	27	30
	1 Not important	13	15	7	19	14	7	8	7	14	9	15
	2	17	19	9	19	18	13	16	7	18	17	15
	3	26	26	28	24	27	26	27	23	29	24	23
	4	21	21	24	23	21	26	22	16	19	23	23
	5 Very important	19	17	29	13	18	25	27	21	18	23	18
	Top 2	41	38	54	36	39	51	49	38	37	47	41
No Answer	3	2	2	1	2	3	1	25	1	2	6	
Q10.1 - Biotechnology has already provided benefits to consumers	Mean	4	4	3	4	4	3	4	3	4	4	4
	Bottom 2	17	15	24	9	18	29	15	18	17	21	13
	1 Strongly disagree	6	5	10	2	7	12	5	9	6	8	5
	2	11	10	14	7	11	17	10	9	11	12	8
	3 Neutral	17	16	22	13	19	13	15	16	16	20	16
	4	35	37	33	42	33	37	41	29	34	34	41
	5 Strongly agree	29	31	20	35	29	21	29	16	33	24	25
	Top 2	64	68	52	77	62	58	70	45	67	58	65
No Answer	2	1	2	1	1	0	1	21	0	1	5	

ESCOP - ECOP Biotech Survey

			Gender <i>(32 Non Response)</i>		Position					Discipline		
Questions	Categories	TOTAL	Male	Female	Administration	Professor	Managerial/ Academic Professional	Extension Personnel	No Response/ Other	AgBio Scientists	Social Scientists	No Response/ Other
	COUNT(n)	1342	1064	246	204	807	76	199	56	654	339	349
Q10.2 - The benefits of using biotechnology to create food crops that do not require chemical pesticides are greater than the risks	Mean	4	4	3	4	4	3	4	3	4	3	4
	Bottom 2	18	16	23	12	18	28	16	20	16	21	17
	1 Strongly disagree	8	8	11	8	8	16	9	9	8	8	9
	2	9	9	11	4	11	12	8	11	8	13	8
	3 Neutral	21	19	29	16	21	18	29	21	18	25	24
	4	30	31	24	35	29	37	30	20	28	35	28
	5 Strongly agree	29	32	21	37	31	17	24	18	37	18	26
	Top 2	59	63	46	72	60	54	54	38	66	53	54
No Answer	2	1	2	0	1	0	1	21	0	2	5	
Q10.3 - Until we know more, biotechnology should not be used because of unpredictable, potential risks	Mean	2	2	3	2	2	3	2	3	2	3	2
	Bottom 2	64	69	50	79	66	47	57	30	71	54	62
	1 Strongly disagree	34	37	22	47	36	18	27	11	40	24	32
	2	30	31	28	33	31	29	30	20	31	29	30
	3 Neutral	17	16	21	13	16	17	25	25	15	21	17
	4	10	9	14	6	11	17	11	13	9	14	10
	5 Strongly agree	6	5	12	0	6	18	6	11	5	9	5
	Top 2	17	14	26	7	17	36	17	23	14	23	16
No Answer	2	1	2	0	1	0	1	21	0	1	5	
Q10.4 - Government should fund more biotechnology research because of the potential benefits to the public	Mean	4	4	4	4	4	4	4	4	4	4	4
	Bottom 2	9	9	13	5	9	14	11	16	9	11	9
	1 Strongly disagree	3	3	6	1	3	8	4	7	4	4	3
	2	6	6	7	4	6	7	7	9	5	7	6
	3 Neutral	18	18	18	11	19	18	22	11	17	21	16
	4	37	38	35	42	38	41	35	21	37	40	35
	5 Strongly agree	34	35	31	42	33	26	31	30	36	27	35
	Top 2	71	73	66	83	71	67	66	52	74	66	70
No Answer	2	1	3	0	1	0	2	21	0	2	5	

ESCOP - ECOP Biotech Survey

			Gender <i>(32 Non Response)</i>		Position					Discipline		
Questions	Categories	TOTAL	Male	Female	Administration	Professor	Managerial/ Academic Professional	Extension Personnel	No Response/ Other	AgBio Scientists	Social Scientists	No Response/ Other
	COUNT(n)	1342	1064	246	204	807	76	199	56	654	339	349
Q10.5 - Advances in biotechnology will NOT be very important for the future of US agriculture	Mean	2	2	2	1	2	2	2	2	2	2	2
	Bottom 2	81	84	75	91	82	72	80	59	85	77	79
	1 Strongly disagree	56	59	46	68	56	53	52	36	63	49	52
	2	25	24	28	23	25	20	28	23	22	27	28
	3 Neutral	9	8	15	5	8	14	12	7	8	10	9
	4	5	5	6	3	5	7	5	9	4	8	3
	5 Strongly agree	3	3	3	0	3	7	3	4	2	4	3
	Top 2	8	8	9	3	9	13	7	13	7	12	7
No Answer	2	1	2	0	1	0	1	21	0	1	5	
Q10.6 - Current regulations are not sufficient to protect people from the risks linked to biotechnology	Mean	3	3	3	3	3	3	3	3	3	3	3
	Bottom 2	43	47	27	53	43	26	43	21	52	32	38
	1 Strongly disagree	18	21	10	22	20	11	15	11	24	11	16
	2	24	27	17	31	24	16	28	11	28	21	22
	3 Neutral	22	21	25	21	22	18	22	23	20	21	26
	4	20	19	23	21	19	26	21	16	17	26	19
	5 Strongly agree	14	12	21	5	14	29	14	18	11	20	12
	Top 2	33	31	44	25	33	55	34	34	28	46	31
No Answer	2	1	3	0	1	0	1	21	0	2	5	
Q10.7 - Regulation of biotechnology should be based solely on the best available science rather than on consumer demands	Mean	4	4	3	4	4	3	4	3	4	3	4
	Bottom 2	26	25	29	22	27	28	23	27	21	37	22
	1 Strongly disagree	9	8	11	7	8	14	9	18	7	16	6
	2	17	17	18	14	19	13	14	9	14	22	16
	3 Neutral	16	15	18	18	14	18	17	21	16	18	13
	4	28	28	30	35	28	28	28	18	29	25	30
	5 Strongly agree	29	31	20	25	30	26	32	13	34	18	29
	Top 2	57	59	50	60	57	54	60	30	63	43	59
No Answer	2	1	3	0	1	0	1	21	0	1	5	

ESCOP - ECOP Biotech Survey

			Gender <i>(32 Non Response)</i>		Position					Discipline		
Questions	Categories	TOTAL	Male	Female	Administration	Professor	Managerial/ Academic Professional	Extension Personnel	No Response/ Other	AgBio Scientists	Social Scientists	No Response/ Other
	COUNT(n)	1342	1064	246	204	807	76	199	56	654	339	349
Q10.8 - We have to accept some degree of risk from biotechnology if it enhances the economic competitiveness of our country	Mean	3	3	3	3	3	3	3	2	3	3	3
	Bottom 2	35	34	44	25	35	46	40	41	33	39	37
	1 Strongly disagree	14	13	18	8	13	22	16	20	11	18	14
	2	22	21	26	18	22	24	25	21	22	21	23
	3 Neutral	25	25	28	26	25	28	28	18	29	22	21
	4	29	32	19	39	30	18	26	14	30	30	28
	5 Strongly agree	8	8	6	9	8	8	5	4	8	6	9
	Top 2	37	41	25	48	38	26	31	18	38	36	37
No Answer	2	1	3	0	2	0	1	23	0	2	5	
Q10.9 - Most consumers will buy foods produced with biotechnology if they are more nutritious	Mean	3	3	3	4	3	3	3	3	3	3	3
	Bottom 2	22	19	35	10	25	30	23	21	22	24	21
	1 Strongly disagree	6	5	9	3	7	13	4	9	6	6	6
	2	16	14	25	7	18	17	19	13	16	18	15
	3 Neutral	29	29	29	27	28	30	32	29	26	29	32
	4	37	41	26	50	36	32	37	21	40	37	33
	5 Strongly agree	10	10	7	13	10	8	8	5	12	8	8
	Top 2	47	51	34	62	46	39	45	27	51	45	41
No Answer	2	1	2	0	1	0	1	23	0	2	5	
Q10.10 - The social and economic impacts of biotechnology have been given too little attention by most agricultural scientists	Mean	4	4	4	4	4	4	4	4	3	4	4
	Bottom 2	19	22	11	15	20	20	24	13	23	14	17
	1 Strongly disagree	5	6	2	3	5	5	5	7	6	4	5
	2	14	16	9	11	15	14	19	5	18	11	12
	3 Neutral	20	21	20	18	21	24	20	16	22	15	23
	4	30	30	32	33	30	28	29	20	31	30	28
	5 Strongly agree	29	27	35	34	27	29	28	30	24	40	27
	Top 2	58	57	67	67	57	57	56	50	54	69	55
No Answer	2	1	3	0	2	0	1	21	0	1	6	

ESCOP - ECOP Biotech Survey

			Gender <i>(32 Non Response)</i>		Position					Discipline		
Questions	Categories	TOTAL	Male	Female	Administration	Professor	Managerial/ Academic Professional	Extension Personnel	No Response/ Other	AgBio Scientists	Social Scientists	No Response/ Other
	COUNT(n)	1342	1064	246	204	807	76	199	56	654	339	349
Q10.11 - The best future for American agriculture lies in the rapid development of biotechnology	Mean	3	3	3	4	3	3	3	3	3	3	3
	Bottom 2	28	25	39	12	31	38	26	34	26	34	25
	1 Strongly disagree	12	10	17	4	11	22	15	21	11	16	9
	2	16	15	22	8	19	16	12	13	15	18	16
	3 Neutral	34	35	32	32	33	34	42	18	31	36	36
	4	25	26	20	40	22	22	24	14	29	20	23
	5 Strongly agree	11	13	6	15	12	5	8	9	14	8	10
	Top 2	36	39	26	55	35	28	32	23	43	28	33
No Answer	2	1	3	0	2	0	1	25	0	2	6	
Q10.12 - Large biotechnology corporations will gain too much control over farmers' inputs through patenting	Mean	4	4	4	3	4	4	4	4	4	4	4
	Bottom 2	18	19	12	25	18	14	15	9	20	20	13
	1 Strongly disagree	4	5	1	7	4	3	2	4	5	5	3
	2	13	14	11	17	14	12	13	5	15	15	9
	3 Neutral	22	22	21	29	20	25	21	18	22	17	26
	4	29	29	28	26	29	25	30	21	29	29	27
	5 Strongly agree	29	28	35	18	30	36	33	29	28	32	29
	Top 2	58	57	63	45	60	61	63	50	57	60	56
No Answer	3	1	4	1	2	0	2	23	1	3	6	
Q10.13 - If American companies are not allowed to develop biotechnologies other countries will do so and gain competitive advantage	Mean	4	4	3	4	4	3	3	3	4	3	4
	Bottom 2	19	18	26	10	20	20	21	27	20	21	15
	1 Strongly disagree	5	5	7	2	5	7	5	13	6	6	3
	2	14	13	19	8	15	13	16	14	15	15	11
	3 Neutral	23	20	35	18	22	37	26	20	19	27	26
	4	34	36	23	43	33	29	33	16	36	30	32
	5 Strongly agree	22	25	12	29	23	14	19	14	24	19	22
	Top 2	56	61	35	72	56	43	52	30	60	49	54
No Answer	3	1	4	1	2	0	2	23	1	3	5	

ESCOP - ECOP Biotech Survey

			Gender <i>(32 Non Response)</i>		Position					Discipline		
Questions	Categories	TOTAL	Male	Female	Administration	Professor	Managerial/ Academic Professional	Extension Personnel	No Response/ Other	AgBio Scientists	Social Scientists	No Response/ Other
	COUNT(n)	1342	1064	246	204	807	76	199	56	654	339	349
Q10.14 - Public concerns over the safety of agricultural biotechnologies are out of proportion with the actual risks	Mean	4	4	3	4	4	3	4	3	4	3	4
	Bottom 2	19	16	27	10	19	28	19	23	15	27	18
	1 Strongly disagree	7	6	10	2	6	14	8	16	6	10	6
	2	12	11	17	8	13	13	12	7	9	17	12
	3 Neutral	13	12	17	10	11	13	19	18	9	19	13
	4	29	30	24	32	28	37	30	16	28	29	29
	5 Strongly agree	38	41	27	46	40	21	30	20	47	23	34
	Top 2	66	71	52	78	68	58	60	36	76	53	62
No Answer	3	1	4	1	2	1	2	23	1	2	6	
Q10.15 - Current federal regulations on biotechnology are excessive and will stifle innovation	Mean	2	2	2	2	2	2	3	2	2	2	2
	Bottom 2	53	52	60	55	56	59	42	39	53	54	52
	1 Strongly disagree	18	17	24	17	19	22	17	16	17	18	20
	2	35	35	36	38	37	37	25	23	36	36	32
	3 Neutral	34	36	29	37	31	28	47	30	34	36	32
	4	8	9	6	5	10	9	7	4	10	5	9
	5 Strongly agree	2	2	1	1	2	4	3	5	2	3	2
	Top 2	11	12	7	7	12	13	10	9	12	8	11
No Answer	2	1	4	1	2	0	1	21	1	2	5	
Q10.16 - Patenting is essential if biotechnology companies are to bring new technologies to the American farmer	Mean	3	3	3	4	3	3	3	3	3	3	3
	Bottom 2	23	21	28	16	23	30	25	27	21	23	25
	1 Strongly disagree	9	8	13	4	8	14	11	14	8	9	10
	2	14	13	15	12	14	16	14	13	13	14	15
	3 Neutral	29	27	40	25	29	33	34	27	28	32	29
	4	34	36	22	41	33	32	32	23	36	30	32
	5 Strongly agree	12	14	6	18	13	5	9	2	14	13	9
	Top 2	46	51	28	58	46	37	40	25	50	43	41
No Answer	2	1	4	0	2	0	1	21	1	2	5	

ESCOP - ECOP Biotech Survey

			Gender <i>(32 Non Response)</i>		Position					Discipline		
Questions	Categories	TOTAL	Male	Female	Administration	Professor	Managerial/ Academic Professional	Extension Personnel	No Response/ Other	AgBio Scientists	Social Scientists	No Response/ Other
	COUNT(n)	1342	1064	246	204	807	76	199	56	654	339	349
Q11.1 - The effects of biotechnology on food quality (including taste)	Mean	4	4	4	4	4	4	4	4	4	4	4
	Bottom 2	6	5	7	3	6	7	7	5	5	8	5
	1 Not important	1	1	2	0	2	3	1	2	1	2	1
	2	4	4	5	3	4	4	6	4	4	6	4
	3	13	13	14	7	14	17	12	14	13	14	10
	4	36	38	32	40	36	39	34	27	37	36	35
	5 Very important	43	43	43	49	42	37	46	32	43	41	44
	Top 2	79	81	76	89	78	76	80	59	81	77	79
No Answer	2	1	3	0	2	0	1	21	1	2	5	
Q11.2 - The effects of biotechnology on food costs	Mean	4	4	4	4	4	4	4	4	4	4	4
	Bottom 2	9	9	9	7	10	5	10	7	9	10	9
	1 Not important	3	3	3	1	3	3	4	0	2	3	3
	2	7	7	6	6	7	3	6	7	7	6	6
	3	19	19	18	20	19	26	17	16	19	23	15
	4	35	36	32	37	36	38	33	25	34	32	40
	5 Very important	34	34	38	36	33	30	40	30	36	34	32
	Top 2	69	70	70	73	69	68	72	55	70	66	71
No Answer	2	1	2	0	2	0	1	21	1	1	5	
Q11.3 - The science behind biotechnology	Mean	4	4	4	4	4	4	4	4	4	4	4
	Bottom 2	12	12	11	11	13	11	10	5	11	16	10
	1 Not important	3	3	2	1	3	3	4	0	3	4	2
	2	9	9	9	10	10	8	6	5	9	12	7
	3	23	23	26	24	22	20	27	16	21	22	26
	4	31	33	26	33	30	39	30	32	33	30	29
	5 Very important	32	31	35	32	33	30	32	25	34	30	30
	Top 2	63	64	61	65	63	70	62	57	67	60	59
No Answer	2	1	2	0	1	0	1	21	1	1	5	

ESCOP - ECOP Biotech Survey

			Gender <i>(32 Non Response)</i>		Position					Discipline		
Questions	Categories	TOTAL	Male	Female	Administration	Professor	Managerial/ Academic Professional	Extension Personnel	No Response/ Other	AgBio Scientists	Social Scientists	No Response/ Other
	COUNT(n)	1342	1064	246	204	807	76	199	56	654	339	349
Q11.4 - The effects of biotechnology on the environment	Mean	5	5	5	5	5	5	5	5	5	5	5
	Bottom 2	2	2	0	1	2	0	2	0	2	1	1
	1 Not important	1	1	0	0	1	0	1	0	1	0	1
	2	1	1	0	1	1	0	1	0	1	1	0
	3	5	5	5	5	6	3	6	2	5	5	6
	4	30	31	26	31	31	33	28	21	31	32	26
	5 Very important	61	61	67	62	60	64	63	55	61	60	62
	Top 2	91	92	93	94	91	97	91	77	92	92	88
No Answer	2	1	2	0	2	0	1	21	0	2	5	
Q11.5 - The effects of biotechnology on food safety or nutrition	Mean	5	5	5	5	5	5	5	5	5	5	5
	Bottom 2	1	1	1	0	1	0	2	0	2	1	1
	1 Not important	0	0	0	0	1	0	1	0	1	0	0
	2	1	1	0	0	1	0	2	0	1	0	0
	3	5	5	3	5	5	0	4	5	5	4	4
	4	26	28	21	19	29	37	24	18	28	26	24
	5 Very important	66	65	73	76	63	63	70	55	65	68	66
	Top 2	92	93	94	95	92	100	94	73	93	94	90
No Answer	2	1	2	0	1	0	1	21	0	1	5	
Q11.6 - Government policies and regulations regarding food biotechnology	Mean	4	4	4	4	4	4	4	4	4	4	4
	Bottom 2	9	10	7	9	10	7	10	2	10	9	9
	1 Not important	2	2	1	0	2	3	2	0	1	4	1
	2	8	8	6	8	8	4	8	2	8	6	8
	3	27	29	20	35	26	22	28	23	29	27	25
	4	37	37	38	34	38	39	37	25	36	39	37
	5 Very important	24	23	32	22	23	32	26	29	25	22	24
	Top 2	61	60	70	55	62	71	62	54	61	62	61
No Answer	2	1	2	0	2	0	1	21	1	2	5	

ESCOP - ECOP Biotech Survey

			Gender <i>(32 Non Response)</i>		Position					Discipline		
Questions	Categories	TOTAL	Male	Female	Administration	Professor	Managerial/ Academic Professional	Extension Personnel	No Response/ Other	AgBio Scientists	Social Scientists	No Response/ Other
	COUNT(n)	1342	1064	246	204	807	76	199	56	654	339	349
Q11.7 - Social and economic implications of biotechnology	Mean	4	4	4	4	4	4	4	4	4	4	4
	Bottom 2	11	12	4	7	12	12	10	4	12	9	10
	1 Not important	2	2	2	0	3	1	2	0	3	1	1
	2	9	10	3	7	9	11	9	4	9	8	9
	3	23	24	20	25	24	16	24	13	27	16	22
	4	35	35	35	37	33	39	37	34	34	36	35
	5 Very important	30	28	39	30	30	33	29	29	27	37	29
	Top 2	65	63	74	68	63	72	66	63	61	73	63
No Answer	2	1	2	0	1	0	1	21	0	1	5	
Q11.8 - Ethical and moral issues associated with biotechnology	Mean	4	4	4	4	4	4	4	4	4	4	4
	Bottom 2	16	18	9	12	18	20	12	11	18	14	13
	1 Not important	5	6	1	6	6	4	4	2	7	4	5
	2	11	11	7	6	12	16	8	9	11	11	9
	3	24	25	19	24	23	22	28	14	26	19	24
	4	28	28	30	33	27	26	28	20	30	27	25
	5 Very important	29	27	38	29	29	30	30	34	25	36	31
	Top 2	57	55	69	63	56	57	58	54	55	63	56
No Answer	3	2	4	1	3	1	2	21	1	3	7	
Q11.9 - Other (Please specify):		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Q12.1 - Television News broadcasts	Mean	4	4	4	4	4	4	4	4	4	4	4
	Bottom 2	12	13	10	9	12	21	14	13	12	14	11
	1 Not at all useful	5	5	4	2	4	11	6	4	4	4	5
	2	8	8	7	7	7	11	8	9	8	10	5
	3	12	12	13	12	13	3	12	11	10	14	12
	4	34	34	33	36	34	38	32	20	34	30	36
	5 Very Useful	40	39	41	41	40	38	41	36	42	38	36
	Top 2	73	73	74	76	74	76	73	55	76	69	72
No Answer	3	2	3	2	2	0	2	21	1	3	5	

ESCOP - ECOP Biotech Survey

			Gender <i>(32 Non Response)</i>		Position					Discipline		
Questions	Categories	TOTAL	Male	Female	Administration	Professor	Managerial/ Academic Professional	Extension Personnel	No Response/ Other	AgBio Scientists	Social Scientists	No Response/ Other
	COUNT(n)	1342	1064	246	204	807	76	199	56	654	339	349
Q12.2 - Daily Newspapers	Mean	4	4	4	4	4	4	4	4	4	4	4
	Bottom 2	8	8	10	3	10	13	7	4	7	9	9
	1 Not at all useful	2	2	0	1	2	3	3	2	2	2	2
	2	6	6	10	2	8	11	4	2	6	7	7
	3	24	24	25	26	23	24	26	30	24	26	23
	4	43	45	40	46	43	38	46	34	45	41	42
	5 Very Useful	22	22	22	23	22	25	20	11	22	22	20
	Top 2	65	67	62	69	66	63	66	45	68	63	62
No Answer	3	2	2	2	2	0	2	21	1	3	5	
Q12.3 - News magazines (such as Time or Newsweek)	Mean	4	4	4	4	4	4	4	4	4	4	4
	Bottom 2	8	9	4	9	8	12	8	7	8	9	7
	1 Not at all useful	2	2	1	1	2	3	1	4	1	2	2
	2	6	7	4	7	6	9	7	4	7	7	5
	3	23	23	20	22	22	22	24	36	21	26	24
	4	44	44	48	44	46	45	43	21	47	41	42
	5 Very Useful	23	22	25	24	23	21	23	14	23	22	21
	Top 2	66	66	73	68	68	66	66	36	70	63	64
No Answer	3	2	2	1	2	0	2	21	1	3	5	
Q12.4 - Meetings or conferences sponsored by the Extension Service	Mean	3	3	3	3	3	3	3	3	3	3	3
	Bottom 2	33	34	28	28	38	33	19	21	34	34	30
	1 Not at all useful	9	9	9	5	11	11	3	13	10	9	7
	2	24	25	19	23	27	22	16	9	24	24	23
	3	32	31	34	31	32	38	31	25	34	27	32
	4	22	22	23	29	19	21	29	27	20	26	23
	5 Very Useful	11	10	12	10	10	8	20	5	11	10	11
	Top 2	33	33	35	39	29	29	48	32	31	37	34
No Answer	3	2	2	2	2	0	2	21	1	3	5	

ESCOP - ECOP Biotech Survey

			Gender <i>(32 Non Response)</i>		Position					Discipline		
Questions	Categories	TOTAL	Male	Female	Administration	Professor	Managerial/ Academic Professional	Extension Personnel	No Response/ Other	AgBio Scientists	Social Scientists	No Response/ Other
	COUNT(n)	1342	1064	246	204	807	76	199	56	654	339	349
Q12.5 - Fact sheets or newsletters	Mean	3	3	3	3	3	3	3	3	3	3	3
	Bottom 2	30	30	27	25	35	26	18	21	33	26	26
	1 Not at all useful	7	8	6	6	9	0	5	9	9	6	5
	2	22	23	22	19	26	26	13	13	24	19	21
	3	32	33	28	38	30	45	29	29	31	34	32
	4	25	25	26	26	22	22	37	18	24	27	25
	5 Very Useful	11	10	16	10	11	7	16	11	11	11	11
	Top 2	36	35	42	36	33	29	52	29	35	38	37
No Answer	3	2	2	1	2	0	2	21	1	3	5	
Q12.6 - The Internet	Mean	4	4	4	4	4	4	4	4	4	4	4
	Bottom 2	9	9	10	6	10	5	9	9	8	11	9
	1 Not at all useful	2	2	2	1	2	0	3	4	2	2	1
	2	7	7	8	5	8	5	6	5	6	9	8
	3	22	24	15	24	21	22	26	21	22	26	21
	4	39	39	40	40	38	46	43	25	40	39	37
	5 Very Useful	27	26	33	28	29	24	21	23	30	22	27
	Top 2	66	65	73	69	66	70	64	48	69	60	64
No Answer	3	2	2	1	2	3	2	21	1	3	6	
Q12.7 - Conversations with other people (such as family or friends)	Mean	4	4	4	3	4	4	4	4	4	4	3
	Bottom 2	17	18	17	20	18	12	15	11	19	13	19
	1 Not at all useful	5	5	5	4	7	1	3	2	6	3	6
	2	12	12	13	16	12	11	12	9	13	10	13
	3	27	28	24	31	25	25	28	25	25	27	29
	4	29	29	26	27	29	34	27	23	30	32	24
	5 Very Useful	23	21	28	19	22	26	27	20	23	24	20
	Top 2	51	51	54	46	52	61	54	43	53	56	44
No Answer	5	4	4	3	4	3	4	21	3	4	7	
Q12.8 - Other (Please specify)		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

ESCOP - ECOP Biotech Survey

			Gender <i>(32 Non Response)</i>		Position					Discipline		
Questions	Categories	TOTAL	Male	Female	Administration	Professor	Managerial/ Academic Professional	Extension Personnel	No Response/ Other	AgBio Scientists	Social Scientists	No Response/ Other
	COUNT(n)	1342	1064	246	204	807	76	199	56	654	339	349
Q13 - How would you describe the overall tone of media reports about modern biotechnology in your state?	Mean	3	3	3	3	3	3	3	3	3	3	3
	Bottom 2	28	30	24	27	30	24	29	14	28	26	30
	1 Very negative	4	5	2	2	5	5	6	2	5	3	5
	2	24	25	22	25	25	18	24	13	23	23	26
	3	45	45	44	45	45	49	46	27	45	46	43
	4	22	21	25	26	21	22	20	30	23	21	20
	5 Very positive	3	2	4	2	3	4	4	5	3	4	1
	Top 2	25	23	30	28	23	26	23	36	26	26	22
No Answer	2	1	3	0	1	1	2	23	1	2	5	
Q14 - Suppose you were asked to give a presentation about agricultural biotechnology. How comfortable would you be with the subject matter?	Mean	3	3	3	3	3	3	3	3	4	3	3
	Bottom 2	24	22	33	23	20	43	33	25	16	36	27
	1 Not at all comfortable	9	7	17	3	8	14	16	14	5	16	10
	2	15	15	17	19	12	29	17	11	11	20	17
	3	23	23	26	22	24	22	27	13	22	24	26
	4	33	34	27	36	35	24	25	30	38	27	28
	5 Completely comfortable	18	20	12	19	20	11	15	11	24	12	14
	Top 2	51	54	39	54	55	34	40	41	62	39	42
No Answer	2	1	2	1	1	0	0	21	0	1	5	
Q15 - Overall, would you say you strongly support, support, oppose or strongly oppose the use of biotechnology in agriculture and food production?	Mean	4	4	4	4	4	4	4	3	4	4	4
	Bottom 2	9	7	16	3	9	22	9	20	8	12	7
	1 Strongly Oppose	3	2	5	0	2	8	2	11	2	4	3
	2	6	5	11	2	6	14	7	9	6	8	5
	3	18	15	27	8	19	17	24	16	13	26	19
	4	33	34	32	35	33	29	36	23	32	35	32
	5 Strongly support	38	42	23	53	38	32	31	20	46	26	36
	Top 2	71	76	55	88	71	61	67	43	78	61	68
No Answer	2	1	2	0	1	0	0	21	0	1	5	

ESCOP - ECOP Biotech Survey

		Gender <i>(32 Non Response)</i>			Position					Discipline		
Questions	Categories	TOTAL	Male	Female	Administration	Professor	Managerial/ Academic Professional	Extension Personnel	No Response/ Other	AgBio Scientists	Social Scientists	No Response/ Other
	COUNT(n)	1342	1064	246	204	807	76	199	56	654	339	349
Q16 - Why do you (support/oppose) the use of biotechnology in agriculture and food production?		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Q17 - What do you feel are the most important unresolved issues about the use of modern biotechnology in agriculture and food production?		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A