Supplemental Tables

Tables are designed to supplement text in Jones, C., and Lenart, M. (2014). Forestry Professionals and Extension Educators vs. Climate Change: Implications for Cooperative Extension Programming. *Journal of Extension* [On-line]. Accepted.

Analysis of Variance tests were used to determine which means are significantly different from all others ($\alpha = 0.05$), with Tukey HSD applied to address multiple comparisons. Green shading indicates greater confidence or willingness, red shading indicates lack of confidence or willingness, and yellow indicates a slight confidence or willingness to learn more. The Roman numerals represent statistical subsets; if a category does not include the same numeral as a different category, that means the populations measured responses that were statistically significantly different from each other (alpha = 0.05). See table legend below for an explanation of the color coding. Questions are shown as they were described in the survey, including the bold formatting.

Table Legend.

Row/ Overall Mean	**Question**	**Professional Category**	**Professional Category**	**Professional Category**	**Professional Category**	**Professional Category**
1 2.00 *(.01-3.00)* *n = 576*	**Group Mean** *(Mean interval: lower-upper bound)* *n = # of respondents* *I, II, etc: Statistical subset*	.99 Red: *(.01-.99)* *n= 124* *I*	1.49 Yellow: *(1.00-1.49)* *n=74* *I,II*	1.99 Chartreuse: *(1.50-1.99)* *n=78* *II, III*	2.99 Light Green: *(2.00-2.49)* *n=38* *III, IV*	3.99 Dark Green: *(2.50-3.99)* n= 87 *IV*

Supplemental Table 4. Adaptation.

Listed below are responses to questions on climate change adaptation measures. Responses range from:

- 0 = “not at all willing”
- 1 = “willing to learn more about it”
- 2 = “willing”
- 3 = “very willing”
- 4 = “extremely willing”

Row/ Overall Mean	Question	LM – Private company Mean	LM – Small Private Land-owner Mean	LM – Fed. agency Mean	LM - State Agency Mean	Extension Educator Mean	Researcher Mean
41 3.25 *(3.16-3.33)* *n=505*	**Thin trees out of overly dense forests** to reduce the risk of large-scale stand mortality from drought and/or wildfire	3.29 *(3.12-3.46)* *n=111* *I*	3.13 *(2.91-3.35)* *n=70* *I*	3.56 *(3.40-3.72)* *n=75* *I*	3.19 *(2.83-3.55)* *n=36* *I*	3.20 *(2.99-3.41)* *n=74* *I*	3.14 *(2.95-3.32)* *n=139* *I*
42 2.90 (2.80-3.00) n=495	**Conduct prescribed burns** in forests in an effort to restore or retain natural fire cycles	2.58 *(2.34-2.83)* *n=110* *I,II*	2.40 *(2.11-2.70)* *n=62* *I*	3.47 *(3.28-3.65)* *n=75* *III*	2.73 *(2.41-3.05)* *n=37* *I, II*	3.00 *(2.76-3.24)* *n=70* *II, III*	3.07 *(2.91-3.24)* *n=141* *II, III*
43 2.41 *(2.31-2.51)* *n=504*	Conduct **rapid removal programs** on newly detected species considered invasive	2.25 *(2.03-2.48)* *n=110* *I*	2.23 *(1.99-2.46)* *n=71* *I*	2.44 *(2.20-2.67)* *n=73* *I*	2.54 *(2.18-2.91)* *n=35* *I*	*2.59* *(2.30-2.87)* *n=75* *I*	2.47 *(2.28-2.66)* *n=140* *I*
44 2.40 *(2.30-2.51)* *n=513*	**Foster connected landscapes**, such as by retaining or gaining protection of riparian zones, to promote the natural migration of species	2.06 (1.83-2.29) n=113 *I*	2.08 *(1.79-2.38)* *n=71* *I*	2.28 *(2.00-2.56)* *n=72* *I, II*	2.54 *(2.16-2.92)* *n=37* *I, II*	2.54 *(2.28-2.80)* *n=81* *I, II*	2.79 *(2.60-2.98)* *n=139* *II*
45 2.38 *(2.28-2.48)* *n=509*	Create early-detection programs to **detect new invasions** of undesired exotic species	2.12 *(1.91-2.34)* *n=113* *I*	2.25 *(2.00-2.51)* *n=71* *I*	2.33 *(2.05-2.62)* *n=72* *I*	2.37 (2.00-2.74) n=35 *I*	2.65 *(2.39-2.92)* *n=75* *I*	2.52 *(2.33-2.72)* *n=134* *I*
46 2.34 *(2.23-2.45)* *n=465*	**Construct fire breaks** in key areas	2.14 *(1.87-2.41)* *n=99* *I*	2.22 (1.95-2.50) *n=63* *I*	2.58 (2.33-2.82) *n=69* *I*	2.09 (1.73-2.45) *n=33* *I*	2.43 (2.14-2.72) *n=67* *I*	2.43 (2.22-2.63) *n=134* *I*

Row/ Overall Mean	Question	LM – Private company Mean	LM – Small Private Land-owner Mean	LM – Fed. agency Mean	LM - State Agency Mean	Extension Educator Mean	Researcher Mean
47 2.25 *(2.14-2.36)* *n=512*	Enlarge management areas or otherwise **lower fragmentation of the landscape** to promote the preservation of species	1.86 *(1.63-2.10)* *n=111* *I*	2.01 *(1.70-2.33)* *n=70* *I, II*	2.19 *(1.90-2.48)* *n=74* *I, II*	2.32 *(1.91-2.74)* *n=37* *I, II*	2.43 *(2.17-2.70)* *n=81* *I, II*	2.58 *(2.39-2.78)* *n=139* *II*
48 1.77 *(1.66-1.87)* *n=495*	**Create local refugia** for endangered species	1.43 *(1.20-1.65)* *n=110* *I*	1.65 *(1.35-1.94)* *n=68* *I, II*	1.85 *(1.57-2.13)* *n=72* *I, II*	1.55 *(1.26-1.83)* *n=33* *I, II*	1.86 *(1.59-2.12)* *n=76* *I, II*	2.06 *(1.87-2.25)* *n=136* *II*
49 1.68 *(1.59-1.77)* *n=508*	Consider adopting management practices even if they have a high level of uncertainty in some situations so that they could **serve as experimental efforts**	1.23 *(1.06-1.39)* *n=110* *I*	1.31 *(1.05-1.58)* *n=70* *I, II*	1.73 *(1.48-1.99)* *n=71* *II*	1.53 *(1.24-1.81)* *n=36* *I, II*	1.63 *(1.41-1.84)* *n=80* *I, II*	2.26 *(2.10-2.43)* *n=141* *III*
50 1.65 *(1.55-1.75)* *n=485*	**Augment endangered species populations** via introduction of captive-bred animals into the local area where they already exist.	1.28 *(1.07-1.48)* *n=111* *I*	1.62 *(1.35-1.89)* *n=71* *I, II*	1.67 *(1.41-1.93)* *n=67* *I, II*	1.45 *(1.13-1.78)* *n=31* *I, II*	1.73 *(1.47-2.00)* *n=71* *I, II*	1.98 *(1.78-2.18)* *n=134* *II*
51 1.55 *(1.46-1.64)* *n=491*	**Allow the invasion of "neo-native" species** – in effect, those that seem likely to be suited to changing climate conditions	1.35 (1.17-1.53) *n=106* *I*	1.44 *(1.19-1.69)* *n=68* *I*	1.50 *(1.25-1.75)* *n=70* *I*	*1.39* *(1.14-1.64)* *n=36* *I*	1.64 *(1.40-1.88)* *n=75* *I*	1.77 *(1.60-1.95)* *n=136* *I*

Row/ Overall Mean	Question	LM – Private company Mean	LM – Small Private Land-owner Mean	LM – Fed. agency Mean	LM - State Agency Mean	Extension Educator Mean	Researcher Mean
52 1.52 *(1.43-1.60)* *n=493*	**Relax genetic management guidelines** to include the option of augmenting genetic diversity by collecting from adjacent seed zones or populations for restoration projects	1.34 *(1.17-1.51)* *n=112* *I*	1.58 *(1.31-1.85)* *n=67* *I,II*	1.44 *(1.20-1.69)* *n=72* *I, II*	1.15 *(.97-1.33)* *n=33* *I*	1.40 *(1.22-1.58)* *n=75* *I, II*	1.83 *(1.65-2.00)* *n=134* *II*
53 1.51 *(1.43-1.60)* *n=507*	Stock soils with seeds from plants outside of the standard range (i.e., those from environments suitable to future climate) – **using different genotypes of the same species that exist locally**	1.27 *(1.11-1.44)* *n=113* *I*	1.54 *(1.30-1.77)* *n=69* *I, II*	1.40 *(1.15-1.65)* *n=73* *I, II*	1.33 *(1.08-1.59)* *n=36* *I*	1.53 *(1.33-1.74)* *n=79* *I, II*	1.80 *(1.62-1.98)* *n=137* *II*
54 1.47 *(1.39-1.56)* *n=505*	Make an effort to **use redundancy** (such as also planting on sites that are historically non-optimal for a specific species or community) when restoring a site following disturbance	1.16 *(1.01-1.31)* *n=112* *I*	1.42 *(1.19-1.65)* *n=71* *I, II*	1.54 *(1.31-1.77)* *n=74* *I, II*	1.30 *(1.02-1.59)* *n=33* *I*	1.42 *(1.22-1.61)* *n=77* *I, II*	1.79 *(1.63-1.95)* *n=138* *II*
55 1.39 *(1.31-1.47)* *n=505*	Promote the expansion – **following major disturbance** – of plants or animals into different locations that may be climatically suitable for them	1.18 *(1.02-1.35)* *n=109* *I*	1.36 *(1.14-1.58)* *n=72* *I*	1.39 *(1.19-1.59)* *n=74* *I*	1.31 *(1.07-1.56)* *n=35* *I*	1.41 *(1.23-1.59)* *n=78* *I*	1.58 *(1.41-1.75)* *n=137* *I*

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56 1.39 *(1.31-1.47)* *n=502*	Consider "**re-aligning**" the system with different species if it has been pushed too far out of historic conditions – whether by manipulation or disturbance – when considering restoration	1.32 *(1.15-1.49)* *n=110* *I*	1.25 *(1.05-1.45)* *n=72* *I*	1.31 *(1.09-1.52)* *n=72* *I*	1.37 *(1.13-1.61)* *n=35* *I*	1.37 *(1.20-1.55)* *n=78* *I*	1.59 *(1.42-1.76)* *n=135* *I*
57 1.29 *(1.21-1.38)* *n=495*	Promote the **expansion of endangered species populations** by introducing animals into a new area deemed suitable for them because of changed climate	.98 *(.80-1.16)* *n=108* *I*	1.25 *(1.03-1.47)* *n=72* *I, II*	1.24 *(1.03-1.46)* *n=70* *I, II*	1.22 *(.93-1.50)* *n=32* *I, II*	1.34 *(1.14-1.54)* *n=76* *I, II*	1.58 *(1.41-1.76)* *n=137* *II*
58 1.12 *(1.04-1.20)* *n=503*	Stock soils with seeds from plants outside of the standard range (i.e., from environments more suitable to future climate) – **using species that do not currently occur** in the local area	.96 *(.81-1.12)* *n=112* *I*	1.15 *(.94-1.37)* *n=71* *I*	1.05 *(.84-1.27)* *n=73* *I*	1.00 *(.78-1.22)* *n=35* *I*	1.14 *(.94-1.34)* *n=76* *I*	1.28 *(1.10-1.45)* *n=136* *I*