Constant Contact Survey Results

Survey Name: Knotweed Survey

Response Status: Partial & Completed

Filter: None

9/26/2018 7:59 AM CDT

TextBlock:

The following set of questions are about your general knowledge of knotweed.

There are native and non-native versions of knotweeds in Minnesota.

Answer	0% 100%	Number of Response(s)	Response Ratio
True		119	56.3 %
False		72	34.1 %
No Response(s)		20	9.4 %
	Totals	**211**	**100%**

Non-native knotweeds can damage pavement, structures, and buildings.

Answer	0% 100%	Number of Response(s)	Response Ratio
True		176	83.4 %
False		13	6.1 %
No Response(s)		22	10.4 %
	Totals	**211**	**100%**

Are you familiar with non-native Japanese knotweed?

Answer	0% 100%	Number of Response(s)	Response Ratio
Yes		127	60.1 %
No		65	30.8 %
No Response(s)		19	9.0 %
	Totals	**211**	**100%**

Are you familiar with non-native Giant knotweed?

Answer	0% 100%	Number of Response(s)	Response Ratio
Yes		49	23.2 %
No		142	67.2 %
No Response(s)		20	9.4 %
	Totals	**211**	**100%**

Are you familiar with non-native Bohemian knotweed?

Answer	0% 100%	Number of Response(s)	Response Ratio
Yes		38	18.0 %
No		154	72.9 %
No Response(s)		19	9.0 %
	Totals	**211**	**100%**

If you feel you have no knowledge or very limited knowledge of non-native knotweeds, you may skip the following set of questions.

Answer	0% 100%	Number of Response(s)	Response Ratio
Continue with questions		117	55.4 %
Skip questions		77	36.4 %
No Response(s)		17	8.0 %
	Totals	**211**	**100%**

TextBlock:

Below is a series of photos. Identify those you believe to be non-native knotweed.

Is this a knotweed?

Answer	0% 100%	Number of Response(s)	Response Ratio
Yes		12	5.6 %
No		74	35.0 %
Not sure		19	9.0 %
No Response(s)		106	50.2 %
	Totals	**211**	**100%**

Is this a knotweed?

Answer	0% 100%	Number of Response(s)	Response Ratio
Yes		79	37.4 %
No		9	4.2 %
Not sure		16	7.5 %
No Response(s)		107	50.7 %
	Totals	**211**	**100%**

Is this a knotweed?

Answer	0% 100%	Number of Response(s)	Response Ratio
Yes		25	11.8 %
No		61	28.9 %
Not sure		19	9.0 %
No Response(s)		106	50.2 %
	Totals	**211**	**100%**

Is this a knotweed?

Answer	0% 100%	Number of Response(s)	Response Ratio
Yes		32	15.1 %
No		48	22.7 %
Not sure		26	12.3 %
No Response(s)		105	49.7 %
	Totals	**211**	**100%**

Is this a knotweed?

Answer	0%	100%	Number of Response(s)	Response Ratio
Yes			76	36.0 %
No			17	8.0 %
Not sure			13	6.1 %
No Response(s)			105	49.7 %
		Totals	**211**	**100%**

Is this a knotweed?

Answer	0%	100%	Number of Response(s)	Response Ratio
Yes			3	1.4 %
No			88	41.7 %
Not sure			15	7.1 %
No Response(s)			105	49.7 %
		Totals	**211**	**100%**

Is this a knotweed?

Answer	0% 100%	Number of Response(s)	Response Ratio
Yes		95	45.0 %
No		4	1.8 %
Not sure		7	3.3 %
No Response(s)		105	49.7 %
	Totals	**211**	**100%**

Even if you have no prior knowledge of knotweed, please describe the following on a five-point scale.

Non-native knotweed is:

1 = Agree, 3 = Neutral, 5 = Disagree

Answer	1 2 3 4 5	Number of Response(s)	Rating Score*
Beneficial to nature		107	4.7
Accidentally introduced		107	2.5
Controllable		107	3.0
A severe problem		107	1.6
A threat to native plants		107	1.3

*The Rating Score is the weighted average calculated by dividing the sum of all weighted ratings by the number of total responses.

TextBlock:

The following set of questions are about non-native knotweed management.

How effective do you think the following management strategies are?

1 = Very effective, 2 = Somewhat effective, 3 = Not sure, 4 = Not very effective, 5 = Ineffective

Answer	1	2	3	4	5	Number of Response(s)	Rating Score*
Spraying herbicide on the leaves/entire plant ('foliar spray')						102	2.4
Herbicide injection in the stem						101	2.4
Applying herbicide to cut stem (cutting stems is not recommended in most situations)						99	2.8
Grazing						100	3.7
Cutting (cutting stems is not recommended in most situations)						98	4.3
Mowing (mowing is not recommended in most situations)						101	4.2

*The Rating Score is the weighted average calculated by dividing the sum of all weighted ratings by the number of total responses.

How easy or difficult do you think the following management strategies are?

1 = Very easy, 2 = Pretty easy, 3 = Not sure, 4 = Difficult, 5 = Very Difficult

Answer	1	2	3	4	5	Number of Response(s)	Rating Score*
Spraying herbicide on the leaves/entire plant ('foliar spray')						102	2.5
Herbicide injection in the stem						100	3.7
Applying herbicide to cut stem (cutting stems is not recommended in most situations)						102	3.1
Grazing						101	3.0
Cutting (cutting stems is not recommended in most situations)						99	2.8
Mowing (mowing is not recommended in most situations)						101	2.6

*The Rating Score is the weighted average calculated by dividing the sum of all weighted ratings by the number of total responses.

How costly do you think the following management strategies are?

1 = Very costly, 2 = Costly, 3 = Not sure, 4 = Inexpensive, 5 = Very inexpensive

Answer	1	2	3	4	5	Number of Response(s)	Rating Score*
Spraying herbicide on the leaves/entire plant ('foliar spray')						101	2.4
Herbicide injection in the stem						100	1.9
Applying herbicide to cut stem (cutting stems is not recommended in most situations)						100	2.4
Grazing						100	3.2
Cutting (cutting stems is not recommended in most situations)						100	3.4
Mowing (mowing is not recommended in most sitations)						100	3.7

*The Rating Score is the weighted average calculated by dividing the sum of all weighted ratings by the number of total responses.

TextBlock:

The following set of questions are about knotweed in your area.

Do you have any non-native knotweed on your property or where you live?

Answer	0%	100%	Number of Response(s)	Response Ratio
Yes			30	14.2 %
No			65	30.8 %
No, but there has been in the past			3	1.4 %
Not sure			4	1.8 %
No Response(s)			109	51.6 %
		Totals	**211**	**100%**

Do you own, rent or manage the property?

Answer	0%	100%	Number of Response(s)	Response Ratio
Own			15	7.1 %
Rent			3	1.4 %
Manage			11	5.2 %
No Response(s)			182	86.2 %
		Totals	**211**	**100%**

If you currently have or in the past had non-native knotweed on your property, how did it get there?

Answer	0% 100%	Number of Response(s)	Response Ratio
I planted it		2	<1 %
It was here when I purchased the property		14	6.6 %
It spread to my property		2	<1 %
I don't know		7	3.3 %
Other		7	3.3 %
No Response(s)		179	84.8 %
	Totals	**211**	**100%**

Have you now or in the past tried to manage non-native knotweed on your property?

Answer	0% 100%	Number of Response(s)	Response Ratio
Yes		23	10.9 %
No		9	4.2 %
No Response(s)		179	84.8 %
	Totals	**211**	**100%**

If you have tried to manage non-native knotweed on your property, what did you do? (Select all that apply)

Answer	0% 100%	Number of Response(s)	Response Ratio
Spraying herbicide on the leaves/entire plant ('foliar spray')		14	63.6 %
Herbicide injection in the stem		2	9.0 %
Applying herbicide to cut stem (cutting stems is not recommended in most situations)		8	36.3 %
Grazing		1	4.5 %
Cutting (cutting stems is not recommended in most situations)		5	22.7 %
Mowing (mowing is not recommended in most situations)		7	31.8 %
Tarping		4	18.1 %
Other		4	18.1 %
	Totals	**22**	**100%**

How effective was your management?

1 = Very effective, 2 = Somewhat effective, 3 = Not sure, 4 = Not very effective, 5 = Ineffective

1	2	3	4	5	Number of Response(s)	Rating Score*
					22	2.7

*The Rating Score is the weighted average calculated by dividing the sum of all weighted ratings by the number of total responses.

How likely would you be to manage non-native knotweed on your property?

1 = Not likely, 3 = Not sure, 5 = Very likely

1	2	3	4	5	Number of Response(s)	Rating Score*
					68	4.6

*The Rating Score is the weighted average calculated by dividing the sum of all weighted ratings by the number of total responses.

How would you manage non-native knotweed?

Answer	0% 100%	Number of Response(s)	Response Ratio
I would do it myslef.		63	29.8 %
I would hire a professional.		11	5.2 %
I would not manage. (Why not?)		3	1.4 %
No Response(s)		134	63.5 %
	Totals	**211**	**100%**

What is a limitation for you in managing non-native knotweed? (Select all that apply.)

Answer	0% 100%	Number of Response(s)	Response Ratio
Not aware of a need to manage		5	7.0 %
Amount of time involved		34	47.8 %
Cost		29	40.8 %
Lack of information or knowledge		19	26.7 %
Lack of resources		22	30.9 %
Other		14	19.7 %
	Totals	**71**	**100%**

What would make you more likely to manage non-native knotweed? (Select all that apply.)

Answer	0% 100%	Number of Response(s)	Response Ratio
If I had more information or knowledge		28	40.0 %
If the plant were harming human health		29	41.4 %
If the plant were harming nature		38	54.2 %
If the plant were harming my property		35	50.0 %
Other		19	27.1 %
	Totals	**70**	**100%**

Do you know how to purchase herbicide for knotweed management?

Answer	0% 100%	Number of Response(s)	Response Ratio
Yes		54	25.5 %
No		38	18.0 %
I don't chose to use herbicide		6	2.8 %
No Response(s)		113	53.5 %
	Totals	**211**	**100%**

In Minnesota, landowners are required to prevent certain invasive plants from spreading off their property. Do you feel non-native knotweeds should be one of those plants?

Answer	0% 100%	Number of Response(s)	Response Ratio
Yes		81	38.3 %
No		6	2.8 %
Not sure		13	6.1 %
No Response(s)		111	52.6 %
	Totals	**211**	**100%**

Do you feel there are sufficient resources to help manage knotweed in your area?

Answer	0% 100%	Number of Response(s)	Response Ratio
Yes		15	7.1 %
No		62	29.3 %
Not sure		23	10.9 %
No Response(s)		111	52.6 %
	Totals	**211**	**100%**

Would you be interested in any of the following management resources in your area? (Select all that apply.)

Answer	0% 100%	Number of Response(s)	Response Ratio
Coordinated neighborhood efforts		62	65.9 %
Cost-share program		65	69.1 %
Workshop programs		62	65.9 %
Community education courses		67	71.2 %
Community herbicide/tool resources		66	70.2 %
Other		10	10.6 %
	Totals	**94**	**100%**

TextBlock:

General information:

Please enter your zip code (not required):

Answers	Number of Response(s)
Postal Code	145

How would you describe the area you live in? (Select all that apply.)

Answer	0% 100%	Number of Response(s)	Response Ratio
Rural agricultural		51	29.8 %
Rural forested		32	18.7 %
Urban		64	37.4 %
Small town		37	21.6 %
Lakeshore		19	11.1 %
Other		18	10.5 %
	Totals	**171**	**100%**

Where do you get most of your information regarding plants? (Select all that apply.)

Answer	0% 100%	Number of Response(s)	Response Ratio
Newspaper		33	19.2 %
TV		16	9.3 %
Radio		22	12.8 %
Social media		37	21.6 %
Websites		134	78.3 %
Own observations		88	51.4 %
School		16	9.3 %
Conversations with others		98	57.3 %
Scientific journals		41	23.9 %
Pamphlets		55	32.1 %
Gardening magazines		30	17.5 %
Garden centers		19	11.1 %
Other		53	30.9 %
	Totals	**171**	**100%**

What is the best way to reach you with information regarding plants? (Select all that apply.)

Answer	0% 100%	Number of Response(s)	Response Ratio
Newspaper		49	29.3 %
TV		24	14.3 %
Radio		25	14.9 %
Social media		68	40.7 %
Websites		125	74.8 %
School		5	2.9 %
Pamphlets		59	35.3 %
Gardening magazines		24	14.3 %
Garden centers		23	13.7 %
Other		39	23.3 %
	Totals	**167**	**100%**

TextBlock:

Thank you again for your participation in our survey. We value and appreciate your input.In Minnesota two species of knotweed have been identified:
Japanese knotweed (Polygonum cuspidatum)
and Bohemian knotweed (Polygonum x bohemicum). Giant knotweed (Polygonum sachalinense) has been documented nearby in Wisconsin and Michigan. All three species have very similar characteristics and can be spread by fragments of the root and stem. Cutting, mowing, chopping, or any method that has the potential to break and disperse pieces of the plant can lead to new infestations. The deep, extensive root system and the ease by which these knotweeds can spread make it notoriously difficult to get rid of. Below are some resources if you are interested in additional information regarding knotweeds:MDA Knotweed brochureMnDOT noxious weed book (pg. 40)