

Giant Ragweed Survey

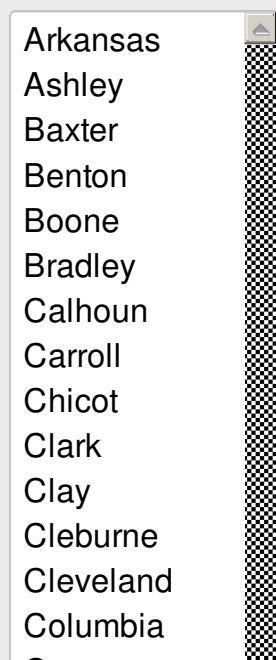
Your County

1. What is the name of the state or province you selected? *



A dropdown menu with a list of states and provinces. The list includes: Arkansas, Colorado, Illinois, Indiana, Iowa, Kansas, Kentucky, Minnesota, Missouri, Nebraska, Ohio, Oklahoma, Pennsylvania, Tennessee, Wisconsin, and Ontario. The menu has a scroll bar on the right side.

What is the name of the Arkansas county you selected? *



A dropdown menu with a list of Arkansas counties. The list includes: Arkansas, Ashley, Baxter, Benton, Boone, Bradley, Calhoun, Carroll, Chicot, Clark, Clay, Cleburne, Cleveland, and Columbia. The menu has a scroll bar on the right side.

Conway
Craighead
Crawford
Crittenden
Cross
Dallas
Desha
Drew
Faulkner
Franklin
Fulton
Garland
Grant
Greene
Hempstead
Hot Spring
Howard
Independence
Izard
Jackson
Jefferson
Johnson
Lafayette
Lawrence
Lee
Lincoln
Little River
Logan
Lonoke
Madison
Marion
Miller
Mississippi
Monroe
Montgomery
Nevada
Newton
Ouachita
Perry
Phillips
Pike
Poinsett
Polk
Pope

Prairie
Pulaski
Randolph
St. Francis
Saline
Scott
Searcy
Sebastian
Sevier
Sharp
Stone
Union
Van Buren
Washington
White
Woodruff
Yell

What is the name of the Colorado county you selected? *

Adams
Alamosa
Arapahoe
Archuleta
Baca
Bent
Boulder
Broomfield
Chaffee
Cheyenne
Clear Creek
Conejos
Costilla
Crowley
Custer
Delta
Denver
Dolores
Douglas
Eagle
Elbert

El Paso
Fremont
Garfield
Gilpin
Grand
Gunnison
Hinsdale
Huerfano
Jackson
Jefferson
Kiowa
Kit Carson
Lake
La Plata
Larimer
Las Animas
Lincoln
Logan
Mesa
Mineral
Moffat
Montezuma
Montrose
Morgan
Otero
Ouray
Park
Phillips
Pitkin
Powers
Pueblo
Rio Blanco
Rio Grande
Routt
Saguache
San Juan
San Miguel
Sedgwick
Summit
Teller
Washington
Weld
Yuma

What is the name of the Illinois county you selected? *

Adams
Alexander
Bond
Boone
Brown
Bureau
Calhoun
Carroll
Cass
Champaign
Christian
Clark
Clay
Clinton
Coles
Cook
Crawford
Cumberland
DeKalb
De Witt
Douglas
DuPage
Edgar
Edwards
Effingham
Fayette
Ford
Franklin
Fulton
Gallatin
Greene
Grundy
Hamilton
Hancock
Hardin
Henderson
Henry
Iroquois
Jackson

Jasper
Jefferson
Jersey
Jo Daviess
Johnson
Kane
Kankakee
Kendall
Knox
Lake
LaSalle
Lawrence
Lee
Livingston
Logan
McDonough
McHenry
McLean
Macon
Macoupin
Madison
Marion
Marshall
Mason
Massac
Menard
Mercer
Monroe
Montgomery
Morgan
Moultrie
Ogle
Peoria
Perry
Piatt
Pike
Pope
Pulaski
Putnam
Randolph
Richland
Rock Island
St. Clair
St. Louis

Saline
Sangamon
Schuyler
Scott
Shelby
Stark
Stephenson
Tazewell
Union
Vermilion
Wabash
Warren
Washington
Wayne
White
Whiteside
Will
Williamson
Winnebago
Woodford

What is the name of the Indiana county you selected? *

Adams
Allen
Bartholomew
Benton
Blackford
Boone
Brown
Carroll
Cass
Clark
Clay
Clinton
Crawford
Daviess
Dearborn
Decatur
DeKalb
Delaware
Dubois

Elkhart

Fayette

Floyd

Fountain

Franklin

Fulton

Gibson

Grant

Greene

Hamilton

Hancock

Harrison

Hendricks

Henry

Howard

Huntington

Jackson

Jasper

Jay

Jefferson

Jennings

Johnson

Knox

Kosciusko

LaGrange

Lake

LaPorte

Lawrence

Madison

Marion

Marshall

Martin

Miami

Monroe

Montgomery

Morgan

Newton

Noble

Ohio

Orange

Owen

Parke

Perry

Pike
Porter
Posey
Pulaski
Putnam
Randolph
Ripley
Rush
St. Joseph
Scott
Shelby
Spencer
Starke
Steuben
Sullivan
Switzerland
Tippecanoe
Tipton
Union
Vanderburgh
Vermillion
Vigo
Wabash
Warren
Warrick
Washington
Wayne
Wells
White
Whitley

What is the name of the Iowa county you selected? *

Adair
Adams
Allamakee
Appanoose
Audubon
Benton
Black Hawk
Boone
Bremer

Bremer
Buchanan
Buena Vista
Butler
Calhoun
Carroll
Cass
Cedar
Cerro Gordo
Cherokee
Chickasaw
Clarke
Clay
Clayton
Clinton
Crawford
Dallas
Davis
Decatur
Delaware
Des Moines
Dickinson
Dubuque
Emmet
Fayette
Floyd
Franklin
Fremont
Greene
Grundy
Guthrie
Hamilton
Hancock
Hardin
Harrison
Henry
Howard
Humboldt
Ida
Iowa
Jackson
Jasper
Jefferson
Johnson

Jones
Keokuk
Kossuth
Lee
Linn
Louisa
Lucas
Lyon
Madison
Mahaska
Marion
Marshall
Mills
Mitchell
Monona
Monroe
Montgomery
Muscatine
O'Brien
Osceola
Page
Palo Alto
Plymouth
Pocahontas
Polk
Pottawattamie
Poweshiek
Ringgold
Sac
Scott
Shelby
Sioux
Story
Tama
Taylor
Union
Van Buren
Wapello
Warren
Washington
Wayne
Webster
Winnebago

Winneshiek
Woodbury
Worth
Wright

What is the name of the Kansas county you selected? *

Allen
Anderson
Atchison
Barber
Barton
Bourbon
Brown
Butler
Chase
Chautauqua
Cherokee
Cheyenne
Clark
Clay
Cloud
Coffey
Comanche
Cowley
Crawford
Decatur
Dickinson
Doniphan
Douglas
Edwards
Elk
Ellis
Ellsworth
Finney
Ford
Franklin
Geary
Gove
Graham
Grant
Grav

Gray
Greeley
Greenwood
Hamilton
Harper
Harvey
Haskell
Hodgeman
Jackson
Jefferson
Jewell
Johnson
Kearny
Kingman
Kiowa
Labette
Lane
Leavenworth
Lincoln
Linn
Logan
Lyon
McPherson
Marion
Marshall
Meade
Miami
Mitchell
Montgomery
Morris
Morton
Nemaha
Neosho
Ness
Norton
Osage
Osborne
Ottawa
Pawnee
Phillips
Pottawatomie
Pratt
Rawlins
Reno

- Republic
- Rice
- Riley
- Rooks
- Rush
- Russell
- Saline
- Scott
- Sedgwick
- Seward
- Shawnee
- Sheridan
- Sherman
- Smith
- Stafford
- Stanton
- Stevens
- Sumner
- Thomas
- Trego
- Wabaunsee
- Wallace
- Washington
- Wichita
- Wilson
- Woodson
- Wyandotte

What is the name of the Kentucky county you selected *

- Adair
- Allen
- Anderson
- Ballard
- Barren
- Bath
- Bell
- Boone
- Bourbon
- Boyd
- Boyle
- Boyle

Bracken
Breathitt
Breckinridge
Bullitt
Butler
Caldwell
Calloway
Campbell
Carlisle
Carroll
Carter
Casey
Christian
Clark
Clay
Clinton
Crittenden
Cumberland
Daviess
Edmonson
Elliott
Estill
Fayette
Fleming
Floyd
Franklin
Fulton
Gallatin
Garrard
Grant
Graves
Grayson
Green
Greenup
Hancock
Hardin
Harlan
Harrison
Hart
Henderson
Henry
Hickman
Hopkins
Jackson

Jefferson
Jessamine
Johnson
Kenton
Knott
Knox
Larue
Laurel
Lawrence
Lee
Leslie
Letcher
Lewis
Lincoln
Livingston
Logan
Lyon
McCracken
McCreary
McLean
Madison
Magoffin
Marion
Marshall
Martin
Mason
Meade
Menifee
Mercer
Metcalf
Monroe
Montgomery
Morgan
Muhlenberg
Nelson
Nicholas
Ohio
Oldham
Owen
Owsley
Pendleton
Perry
Pike
Pike

Powell
Pulaski
Robertson
Rockcastle
Rowan
Russell
Scott
Shelby
Simpson
Spencer
Taylor
Todd
Trigg
Trimble
Union
Warren
Washington
Wayne
Webster
Whitley
Wolfe
Woodford

What is the name of the Minnesota county you selected? *

Aitkin
Anoka
Becker
Beltrami
Benton
Big Stone
Blue Earth
Brown
Carlton
Carver
Cass
Chippewa
Chisago
Clay
Clearwater
Cook
Cottonwood

Seatonville

Crow Wing

Dakota

Dodge

Douglas

Faribault

Fillmore

Freeborn

Goodhue

Grant

Hennepin

Houston

Hubbard

Isanti

Itasca

Jackson

Kanabec

Kandiyohi

Kittson

Koochiching

Lac qui Parle

Lake

Lake of the Woods

Le Sueur

Lincoln

Lyon

McLeod

Mahnomen

Marshall

Martin

Meeker

Mille Lacs

Morrison

Mower

Murray

Nicollet

Nobles

Norman

Olmsted

Otter Tail

Pennington

Pine

Pipestone

Polk

Pope
Ramsey
Red Lake
Redwood
Renville
Rice
Rock
Roseau
St. Louis
Scott
Sherburne
Sibley
Stearns
Steele
Stevens
Swift
Todd
Traverse
Wabasha
Wadena
Waseca
Washington
Watonwan
Wilkin
Winona
Wright
Yellow Medicine

What is the name of the Missouri county you selected? *

Adair
Andrew
Atchison
Audrain
Barry
Barton
Bates
Benton
Bollinger
Boone
Buchanan
Butler

Builer
Caldwell
Callaway
Camden
Cape Girardeau
Carroll
Carter
Cass
Cedar
Chariton
Christian
Clark
Clay
Clinton
Cole
Cooper
Crawford
Dade
Dallas
Daviess
DeKalb
Dent
Douglas
Dunklin
Franklin
Gasconade
Gentry
Greene
Grundy
Harrison
Henry
Hickory
Holt
Howard
Howell
Iron
Jackson
Jasper
Jefferson
Johnson
Knox
Laclede
Lafayette
Lawrence

Lewis
Lincoln
Linn
Livingston
McDonald
Macon
Madison
Maries
Marion
Mercer
Miller
Mississippi
Moniteau
Monroe
Montgomery
Morgan
New Madrid
Newton
Nodaway
Oregon
Osage
Ozark
Pemiscot
Perry
Pettis
Phelps
Pike
Platte
Polk
Pulaski
Putnam
Ralls
Randolph
Ray
Reynolds
Ripley
St. Charles
St. Clair
Ste. Genevieve
St. Francois
St. Louis
Saline
Schuyler
Scott

Scotland
Scott
Shannon
Shelby
Stoddard
Stone
Sullivan
Taney
Texas
Vernon
Warren
Washington
Wayne
Webster
Worth
Wright

What is the name of the Nebraska county you selected? *

Adams
Antelope
Arthur
Banner
Blaine
Boone
Box Butte
Boyd
Brown
Buffalo
Burt
Butler
Cass
Cedar
Chase
Cherry
Cheyenne
Clay
Colfax
Cuming
Custer
Dakota
Dawes

Dawson

Deuel

Dixon

Dodge

Douglas

Dundy

Fillmore

Franklin

Frontier

Furnas

Gage

Garden

Garfield

Gosper

Grant

Greeley

Hall

Hamilton

Harlan

Hayes

Hitchcock

Holt

Hooker

Howard

Jefferson

Johnson

Kearney

Keith

Keya Paha

Kimball

Knox

Lancaster

Lincoln

Logan

Loup

McPherson

Madison

Merrick

Morrill

Nance

Nemaha

Nuckolls

Otoe

Pawnee
Perkins
Phelps
Pierce
Platte
Polk
Red Willow
Richardson
Rock
Saline
Sarpy
Saunders
Scotts Bluff
Seward
Sheridan
Sherman
Sioux
Stanton
Thayer
Thomas
Thurston
Valley
Washington
Wayne
Webster
Wheeler
York

What is the name of the Ohio county you selected? *

Adams
Allen
Ashland
Ashtabula
Athens
Auglaize
Belmont
Brown
Butler
Carroll
Champaign
Clark

Clark
Clermont
Clinton
Columbiana
Coshocton
Crawford
Cuyahoga
Darke
Defiance
Delaware
Erie
Fairfield
Fayette
Franklin
Fulton
Gallia
Geauga
Greene
Guernsey
Hamilton
Hancock
Hardin
Harrison
Henry
Highland
Hocking
Holmes
Huron
Jackson
Jefferson
Knox
Lake
Lawrence
Licking
Logan
Lorain
Lucas
Madison
Mahoning
Marion
Medina
Meigs
Mercer
Miami

Monroe
Montgomery
Morgan
Morrow
Muskingum
Noble
Ottawa
Paulding
Perry
Pickaway
Pike
Portage
Preble
Putnam
Richland
Ross
Sandusky
Scioto
Seneca
Shelby
Stark
Summit
Trumbull
Tuscarawas
Union
Van Wert
Vinton
Warren
Washington
Wayne
Williams
Wood
Wyandot

What is the name of the Oklahoma county you selected? *

Adair
Alfalfa
Atoka
Beaver
Beckham

Blaine
Bryan
Caddo
Canadian
Carter
Cherokee
Choctaw
Cimarron
Cleveland
Coal
Comanche
Cotton
Craig
Creek
Custer
Delaware
Dewey
Ellis
Garfield
Garvin
Grady
Grant
Greer
Harmon
Harper
Haskell
Hughes
Jackson
Jefferson
Johnston
Kay
Kingfisher
Kiowa
Latimer
Le Flore
Lincoln
Logan
Love
McClain
McCurtain
McIntosh
Major
Marshall
Maves

Mayes
Murray
Muskogee
Noble
Nowata
Okfuskee
Oklahoma
Okmulgee
Osage
Ottawa
Pawnee
Payne
Pittsburg
Pontotoc
Pottawatomie
Pushmataha
Roger Mills
Rogers
Seminole
Sequoyah
Stephens
Texas
Tillman
Tulsa
Wagoner
Washington
Washita
Woods
Woodward

What is the name of the Pennsylvania county you selected? *

Adams
Allegheny
Armstrong
Beaver
Bedford
Berks
Blair
Bradford
Bucks
Butler

Cambria
Cameron
Carbon
Centre
Chester
Clarion
Clearfield
Clinton
Columbia
Crawford
Cumberland
Dauphin
Delaware
Elk
Erie
Fayette
Forest
Franklin
Fulton
Greene
Huntingdon
Indiana
Jefferson
Juniata
Lackawanna
Lancaster
Lawrence
Lebanon
Lehigh
Luzerne
Lycoming
McKean
Mercer
Mifflin
Monroe
Montgomery
Montour
Northampton
Northumberland
Perry
Philadelphia
Pike
Potter
Schuylkill

Schuykill
Snyder
Somerset
Sullivan
Susquehanna
Tioga
Union
Venango
Warren
Washington
Wayne
Westmoreland
Wyoming
York

What is the name of the Tennessee county you selected? *

Anderson
Bedford
Benton
Bledsoe
Blount
Bradley
Campbell
Cannon
Carroll
Carter
Cheatham
Chester
Claiborne
Clay
Cocke
Coffee
Crockett
Cumberland
Davidson
Decatur
DeKalb
Dickson
Dyer
Fayette
Fentress

Franklin
Gibson
Giles
Grainger
Greene
Grundy
Hamblen
Hamilton
Hancock
Hardeman
Hardin
Hawkins
Haywood
Henderson
Henry
Hickman
Houston
Humphreys
Jackson
Jefferson
Johnson
Knox
Lake
Lauderdale
Lawrence
Lewis
Lincoln
Loudon
McMinn
McNairy
Macon
Madison
Marion
Marshall
Maury
Meigs
Monroe
Montgomery
Moore
Morgan
Obion
Overton
Perry

Pickett
Polk
Putnam
Rhea
Roane
Robertson
Rutherford
Scott
Sequatchie
Sevier
Shelby
Smith
Stewart
Sullivan
Sumner
Tipton
Trousdale
Unicoi
Union
Van Buren
Warren
Washington
Wayne
Weakley
White
Williamson
Wilson

What is the name of the Wisconsin county you selected? *

Adams
Ashland
Barron
Bayfield
Brown
Buffalo
Burnett
Calumet
Chippewa
Clark
Columbia
Crawford

Crawford
Dane
Dodge
Door
Douglas
Dunn
Eau Claire
Florence
Fond du Lac
Forest
Grant
Green
Green Lake
Iowa
Iron
Jackson
Jefferson
Juneau
Kenosha
Kewaunee
La Crosse
Lafayette
Langlade
Lincoln
Manitowoc
Marathon
Marinette
Marquette
Menominee
Milwaukee
Monroe
Oconto
Oneida
Outagamie
Ozaukee
Pepin
Pierce
Polk
Portage
Price
Racine
Richland
Rock
Rusk

St. Croix
Sauk
Sawyer
Shawano
Sheboygan
Taylor
Trempealeau
Vernon
Vilas
Walworth
Washburn
Washington
Waukesha
Waupaca
Waushara
Winnebago
Wood

Presence of Ragweed

2. To the best of your knowledge how long ago was giant ragweed first observed in crop fields in your county?

(please select one)

- ☐ In the last 5 years
- ☐ In the last 6 to 10 years
- ☐ In the last 11 to 15 years
- ☐ In the last 16 to 20 years
- ☐ More than 20 years
- ☐ Never observed ragweed in crop fields
- ☐ Don't know

3. To the best of your knowledge how long ago was giant ragweed first observed in areas outside of crop fields in your county (e.g., field borders, fence rows, river banks, roadsides, etc.)?

(please select one)

- ☐ In the last 5 years
- ☐ In the last 16 to 20 years
- ☐ Don't know
- ☐ In the last 6 to 10 years
- ☐ More than 20 years
- ☐ In the last 11 to 15 years
- ☐ Never observed ragweed outside of crop fields

Ragweed First Appearance

4. In your county, did giant ragweed first appear in crop fields or in non-crop environments?

(please select one)

- ☐ First appeared in crop fields
- ☐ First appeared in non-crop fields
- ☐ Don't know

Ragweed in Crops

5. What percentage of crop acreage in your county has giant ragweed present (*i.e.*, before measures are taken to control it)?

(please select one)

- ☐ 0%
- ☐ 6% to 20%
- ☐ 41% to 60%
- ☐ More than 80%
- ☐ 1% to 5%
- ☐ 21% to 40%
- ☐ 61% to 80%
- ☐ Don't know

6. In which of the following crops did giant ragweed first appear in your county?
(please select one)

- ☐ Corn
- ☐ Soybean
- ☐ Wheat
- ☐ Cotton
- ☐ Alfalfa/Hay
- ☐ Don't Know
- ☐ Other

7. When does giant ragweed first emerge as seedlings in crop fields in your county?
(please select one)

- ☐ February
- ☐ March
- ☐ April
- ☐ May
- ☐ June
- ☐ July
- ☐ August
- ☐ Don't know

8. When does giant ragweed last emerge as seedlings in crop fields in your county?
(please select one)

- ☐ February
- ☐ March
- ☐ April
- ☐ May
- ☐ June
- ☐ July
- ☐ August
- ☐ September
- ☐ Don't know

Ragweed Management

9. In terms of management, how would you rate giant ragweed?
(please select one)

- ☐ The most difficult weed in my area
- ☐ One of the most difficult weeds in my area
- ☐ Slightly more difficult to manage than most other weeds
- ☐ Does not add any additional problems

10. In your experience, when giant ragweed becomes established in a field, effective management

(please check all that apply)

- ☐ Does not require any changes in production practices
- ☐ Requires changes in the herbicides used
- ☐ Requires changes in tillage practices
- ☐ Requires changes in crop rotation

Ragweed in Non-Crop Environments

11. In your county, in which of the following non-crop environments have you observed giant ragweed?

(please check all that apply)

- ☐ Fence rows
- ☐ River banks
- ☐ Roadsides
- ☐ Flood plains (non-cultivated)
- ☐ Ditch banks
- ☐ Forest borders
- ☐ Railroad sidings
- ☐ Waterways
- ☐ Don't know
- ☐ Other environment

12. In your county, in what percentage of the non-crop environments you selected in the previous question is giant ragweed present?

- ☐ 0%
- ☐ 1% to 5%
- ☐ 6% to 20%
- ☐ 21% to 40%
- ☐ 41% to 60%
- ☐ 61% to 80%
- ☐ More than 80%
- ☐ Don't know

13. In which of the following non-crop environments did giant ragweed first appear in your county?

(please select one)

- ☐ Fence rows
- ☐ River banks
- ☐ Roadsides
- ☐ Flood plains (non-cultivated)
- ☐ Ditch banks
- ☐ Forest borders
- ☐ Waterways
- ☐ Don't know
- ☐ Other

14. In which types of soils have you observed giant ragweed in your county?
(please check all that apply)

- ☐ Poorly drained
- ☐ Moderately drained
- ☐ Well drained
- ☐ Low fertility
- ☐ Moderate fertility
- ☐ High fertility
- ☐ Other

Nightcrawlers

15. In what percentage of crop acreage are [nightcrawlers \(the common earthworm, *Lumbricus terrestris*\)](#) present?
(please select one)

- ☐ 0%
- ☐ 1% to 5%
- ☐ 6% to 20%
- ☐ 21% to 40%
- ☐ 41% to 60%
- ☐ 61% to 80%
- ☐ More than 80%
- ☐ Don't know

Corn

Is corn grown in your county? *

(please select one)

- ☐ Yes
- ☐ No
- ☐ Don't know

In your county, on what percentage of the corn acreage is each of the following tillage practices used? *

(percentages must sum to 100%)

% Conventional tillage - *(e.g., moldboard plow, < 30% cover of crop residues remaining on surface)*

% Minimum tillage - *(e.g., chisel plot, > 30% cover of crop residues remaining on the surface)*

% No tillage -

0 out of 100% Total

In your county, what percentage of the corn acres was rotated at least once in the last three years?

- ☐ 0%
- ☐ 1% to 5%
- ☐ 6% to 20%
- ☐ 21% to 40%
- ☐ 41% to 60%
- ☐ 61% to 80%
- ☐ More than 80%
- ☐ Don't know

In your county, on what percentage of the corn acreage is each of the following herbicide practices used? *

(percentages must sum to 100%)

☐ **% Pre Only** - Herbicide applied before the emergence of the specified crop or weed, surface applied or incorporated.

☐ **% Post Only** - Herbicide applied after the emergence of the specified crop or weed.

☐ **% Pre and Post** - Herbicide applied before and after the emergence of the specified crop or weed.

☐ **% No Pre and/or Post Herbicide Applied**

0 out of 100% Total

In corn fields in your county, what percentage uses each of the following number of post applications: *

(percentages must sum to 100%)

☐ **% No Post applications**

☐ **% 1 Post application**

☐ **% 2 Post applications**

☐ **% more than 2 Post applications**

0 out of 100% Total

Of the Round-up Ready corn acres in your county, on what percent of the acres is glyphosate the only herbicide applied post-emergence?

- ☐ 0%
- ☐ 1% to 5%
- ☐ 6% to 20%
- ☐ 21% to 40%
- ☐ 41% to 60%
- ☐ 61% to 80%
- ☐ More than 80%
- ☐ Don't know

In corn fields in your county, has herbicide-resistant giant ragweed been suspected or confirmed (by University weed scientists or another entity)? *(Herbicide resistance is the inherited ability of a plant to survive and reproduce following exposure to a dose of herbicide normally lethal to the wild type.*

(please select one per row)

	Yes, suspected	Yes, confirmed	No	Don't know
Resistant to ALS-Inhibiting herbicides (e.g., Accent, Option, Permit, Beacon)	☐	☐	☐	☐
Resistant to glyphosate (e.g., Roundup, Glyphomax, Buccaneer)	☐	☐	☐	☐
Resistant to both ALS-Inhibiting herbicides and glyphosate	☐	☐	☐	☐

In corn fields in your county with confirmed or suspected herbicide-resistant giant ragweed, do the populations occur in:

(check all that apply)

- ☐ Fields in floodplains
- ☐ Fields above the floodplain
- ☐ Don't know

In corn fields where confirmed or suspected herbicide-resistant giant ragweed occurs, which of the following appear to be sources of that population:

(check all that apply)

- ☐ Management practices selected for resistant giant ragweed
- ☐ Equipment contaminated with ragweed seed
- ☐ Custom operation (e.g., tillage, planting, harvesting, etc.)
- ☐ Crop seed contamination
- ☐ Manure contaminated with ragweed seed
- ☐ Seed brought in through floodwaters
- ☐ Don't know
- ☐ Not applicable
- ☐ Other

Corn

Is corn grown in your county? *

(please select one)

- ☐ Yes ☐ No ☐ Don't know

For the corn crops grown in your county, what percentage of crop acreage uses each of the following tillage practices? *

(percentages must sum to 100%)

- % **Conventional tillage** - *(e.g., moldboard plow, < 30% cover of crop residues remaining on surface)*
- % **Minimum tillage** - *(e.g., chisel plot, > 30% cover of crop residues remaining on the surface)*
- % **No tillage**

0 out of 100% Total

In your county, what percentage of the corn acres was rotated at least once in the last three years?

- ☐ 0%
- ☐ 1% to 5%
- ☐ 6% to 20%
- ☐ 21% to 40%
- ☐ 41% to 60%
- ☐ 61% to 80%
- ☐ More than 80%
- ☐ Don't know

For the corn crops grown in your county, what percentage of crop acreage uses each of the following herbicide practices? *

(percentages must sum to 100%)

% Pre Only - Herbicide applied before the emergence of the specified crop or weed, surface applied or incorporated.

% Post Only - Herbicide applied after the emergence of the specified crop or weed.

% Pre and Post - Herbicide applied before and after the emergence of the specified crop or weed.

% No Pre and/or Post Herbicide Applied

0 out of 100% Total

In corn fields in your county, what percentage uses each of the following number of post applications: *

(percentages must sum to 100%)

% No Post applications

% 1 Post application

% 2 Post applications

% more than 2 Post applications

0 out of 100% Total

Of the Round-up Ready corn acres in your county, on what percent of the acres is glyphosate the only herbicide applied post-emergence?

- ☐ 0%
- ☐ 1% to 5%
- ☐ 6% to 20%
- ☐ 21% to 40%
- ☐ 41% to 60%
- ☐ 61% to 80%
- ☐ More than 80%
- ☐ Don't know

In corn fields in your county, has herbicide-resistant giant ragweed been suspected or confirmed (by University weed scientists or another entity)? *(Herbicide resistance is the inherited ability of a plant to survive and reproduce following exposure to a dose of herbicide normally lethal to the wild type.*

(please select one per row)

	Yes, suspected	Yes, confirmed	No	Don't know
Resistant to ALS-Inhibiting herbicides (e.g., Accent, Option, Permit, Beacon)	☐	☐	☐	☐
Resistant to glyphosate (e.g., Roundup, Glyphomax, Buccaneer)	☐	☐	☐	☐
Resistant to both ALS-Inhibiting herbicides and glyphosate	☐	☐	☐	☐

In corn fields in your county with confirmed or suspected herbicide-resistant giant ragweed, do the populations occur in:

(check all that apply)

- ☐ Fields in floodplains
- ☐ Fields above the floodplain
- ☐ Don't know

In corn fields where confirmed or suspected herbicide-resistant giant ragweed occurs, which of the following appear to be sources of that population:

(check all that apply)

- ☐ Management practices selected for resistant giant ragweed
- ☐ Equipment contaminated with ragweed seed
- ☐ Custom operation (e.g., tillage, planting, harvesting, etc.)
- ☐ Crop seed contamination
- ☐ Manure contaminated with ragweed seed
- ☐ Seed brought in through floodwaters
- ☐ Don't know
- ☐ Not applicable
- ☐ Other

Cotton

Is cotton grown in your county? *

(please select one)

- ☐ Yes ☐ No ☐ Don't know

For the cotton crops grown in your county, what percentage of crop acreage uses each of the following tillage practices? *

(percentages must sum to 100%)

% Conventional tillage - (e.g., moldboard plow, < 30% cover of crop residues remaining on surface)

% Minimum tillage - (e.g., chisel plot, > 30% cover of crop residues remaining on the surface)

% No tillage

0 out of 100% Total

In your county, what percentage of the cotton acres was rotated at least once in the last three years?

- ☐ 0%
- ☐ 1% to 5%
- ☐ 6% to 20%
- ☐ 21% to 40%
- ☐ 41% to 60%
- ☐ 61% to 80%
- ☐ More than 80%
- ☐ Don't know

For the cotton crops grown in your county, what percentage of crop acreage uses each of the following herbicide practices? *

(percentages must sum to 100%)

% Pre Only - Herbicide applied before the emergence of the specified crop or weed, surface applied or incorporated.

% Post Only - Herbicide applied after the emergence of the specified crop or weed.

% Pre and Post - Herbicide applied before and after the emergence of the specified crop or weed.

% No Pre and/or Post Herbicide Applied

0 out of 100% Total

In cotton fields in your county, what percentage uses each of the following number of post applications: *

(percentages must sum to 100%)

% No Post applications

% 1 Post application

% 2 Post applications

% more than 2 Post applications

0 out of 100% Total

Of the Round-up Ready cotton acres in your county, on what percent of the acres is glyphosate the only herbicide applied post-emergence?

- ☐ 0%
- ☐ 1% to 5%
- ☐ 6% to 20%
- ☐ 21% to 40%
- ☐ 41% to 60%
- ☐ 61% to 80%
- ☐ More than 80%
- ☐ Don't know

In cotton fields in your county, has herbicide-resistant giant ragweed been suspected or confirmed (by University weed scientists or another entity)? *(Herbicide resistance is the inherited ability of a plant to survive and reproduce following exposure to a dose of herbicide normally lethal to the wild type.)*

(please select one per row)

	Yes, suspected	Yes, confirmed	No	Don't know
Resistant to ALS-Inhibiting herbicides (e.g., Envoke, Staple)	☐	☐	☐	☐
Resistant to glyphosate (e.g., Roundup, Glyphomax, Buccaneer)	☐	☐	☐	☐
Resistant to both ALS-Inhibiting herbicides and glyphosate	☐	☐	☐	☐

In cotton fields in your county with confirmed or suspected herbicide-resistant giant ragweed, do the populations occur in:

(check all that apply)

- ☐ Fields in floodplains
- ☐ Fields above the floodplain
- ☐ Don't know

In cotton fields where confirmed or suspected herbicide-resistant giant ragweed occurs, which of the following appear to be sources of that population:

(check all that apply)

- ☐ Management practices selected for resistant giant ragweed
- ☐ Equipment contaminated with ragweed seed
- ☐ Custom operation (e.g., tillage, planting, harvesting, etc.)
- ☐ Crop seed contamination
- ☐ Manure contaminated with ragweed seed
- ☐ Seed brought in through floodwaters
- ☐ Don't know
- ☐ Not applicable
- ☐ Other

Cotton

Is cotton grown in your county? *

(please select one)

- ☐ Yes ☐ No ☐ Don't know

For the cotton crops grown in your county, what percentage of crop acreage uses each of the following tillage practices? *

(percentages must sum to 100%)

% Conventional tillage - (e.g., moldboard plow, < 30% cover of crop residues remaining on surface)

% Minimum tillage - (e.g., chisel plot, > 30% cover of crop residues remaining on the surface)

% No tillage

0 out of 100% Total

In your county, what percentage of the cotton acres was rotated at least once in the last three years?

- ☐ 0%
- ☐ 1% to 5%
- ☐ 6% to 20%
- ☐ 21% to 40%
- ☐ 41% to 60%
- ☐ 61% to 80%
- ☐ More than 80%
- ☐ Don't know

For the cotton crops grown in your county, what percentage of crop acreage uses each of the following herbicide practices? *

(percentages must sum to 100%)

☐

% Pre Only - Herbicide applied before the emergence of the specified crop or weed, surface applied or incorporated.

☐

% Post Only - Herbicide applied after the emergence of the specified crop or weed.

☐

% Pre and Post - Herbicide applied before and after the emergence of the specified crop or weed.

☐

% No Pre and/or Post Herbicide Applied

0 out of 100% Total

In cotton fields in your county, what percentage uses each of the following number of post applications: *

(percentages must sum to 100%)

☐

% No Post applications

☐

% 1 Post application

☐

% 2 Post applications

☐

% more than 2 Post applications

0 out of 100% Total

Of the Round-up Ready cotton acres in your county, on what percent of the acres is glyphosate the only herbicide applied post-emergence?

- ☐ 0%
- ☐ 1% to 5%
- ☐ 6% to 20%
- ☐ 21% to 40%
- ☐ 41% to 60%
- ☐ 61% to 80%
- ☐ More than 80%
- ☐ Don't know

In cotton fields in your county, has herbicide-resistant giant ragweed been suspected or confirmed (by University weed scientists or another entity)? *(Herbicide resistance is the inherited ability of a plant to survive and reproduce following exposure to a dose of herbicide normally lethal to the wild type.)*

(please select one per row)

	Yes, suspected	Yes, confirmed	No	Don't know
Resistant to ALS-Inhibiting herbicides (e.g., Envoke, Staple)	☐	☐	☐	☐
Resistant to glyphosate (e.g., Roundup, Glyphomax, Buccaneer)	☐	☐	☐	☐
Resistant to both ALS-Inhibiting herbicides and glyphosate	☐	☐	☐	☐

In cotton fields in your county with confirmed or suspected herbicide-resistant giant ragweed, do the populations occur in:

(check all that apply)

- ☐ Fields in floodplains
- ☐ Fields above the floodplain
- ☐ Don't know

In cotton fields where confirmed or suspected herbicide-resistant giant ragweed occurs, which of the following appear to be sources of that population:

(check all that apply)

- ☐ Management practices selected for resistant giant ragweed
- ☐ Equipment contaminated with ragweed seed
- ☐ Custom operation (e.g., tillage, planting, harvesting, etc.)
- ☐ Crop seed contamination
- ☐ Manure contaminated with ragweed seed
- ☐ Seed brought in through floodwaters
- ☐ Don't know
- ☐ Not applicable
- ☐ Other

Soybeans

Are soybeans grown in your county? *

(please select one)

- ☐ Yes ☐ No ☐ Don't know

For the soybean crops grown in your county, what percentage of crop acreage uses each of the following tillage practices? *

(percentages must sum to 100%)

% Conventional tillage - (e.g., moldboard plow, < 30% cover of crop residues remaining on surface)

% Minimum tillage - (e.g., chisel plot, > 30% cover of crop residues remaining on the surface)

% No tillage

0 out of 100% Total

In your county, what percentage of the soybean acres was rotated at least once in the last three years?

- ☐ 0%
- ☐ 1% to 5%
- ☐ 6% to 20%
- ☐ 21% to 40%
- ☐ 41% to 60%
- ☐ 61% to 80%
- ☐ More than 80%
- ☐ Don't know

For the soybean crops grown in your county, what percentage of crop acreage uses each of the following herbicide practices? *

(percentages must sum to 100%)

% Pre Only - Herbicide applied before the emergence of the specified crop or weed, surface applied or incorporated.

% Post Only - Herbicide applied after the emergence of the specified crop or weed.

% Pre and Post - Herbicide applied before and after the emergence of the specified crop or weed.

% No Pre and/or Post Herbicide Applied

0 out of 100% Total

In soybean fields in your county, what percentage uses each of the following number of post applications: *

(percentages must sum to 100%)

% No Post applications

% 1 Post application

% 2 Post applications

% more than 2 Post applications

0 out of 100% Total

Of the Round-up Ready soybean acres in your county, on what percent of the acres is glyphosate the only herbicide applied post-emergence?

- ☐ 0%
- ☐ 1% to 5%
- ☐ 6% to 20%
- ☐ 21% to 40%
- ☐ 41% to 60%
- ☐ 61% to 80%
- ☐ More than 80%
- ☐ Don't know

In soybean fields in your county, has herbicide-resistant giant ragweed been suspected or confirmed (by University weed scientists or another entity)? (*Herbicide resistance is the inherited ability of a plant to survive and reproduce following exposure to a dose of herbicide normally lethal to the wild type.*)

(please select one per row)

	Yes, suspected	Yes, confirmed	No	Don't know
Resistant to ALS-Inhibiting herbicides (e.g., Classic, FirstRate, Raptor, Pursuit)	☐	☐	☐	☐
Resistant to glyphosate (e.g., Roundup, Glyphomax, Buccaneer)	☐	☐	☐	☐
Resistant to both ALS-Inhibiting herbicides and glyphosate	☐	☐	☐	☐

In soybean fields in your county with confirmed or suspected herbicide-resistant giant ragweed, do the populations occur in:

(check all that apply)

- ☐ Fields in floodplains
- ☐ Fields above the floodplain
- ☐ Don't know

In soybean fields where confirmed or suspected herbicide-resistant giant ragweed occurs, which of the following appear to be sources of that population:

(check all that apply)

- ☐ Management practices selected for resistant giant ragweed
- ☐ Equipment contaminated with ragweed seed
- ☐ Custom operation (e.g., tillage, planting, harvesting, etc.)
- ☐ Crop seed contamination
- ☐ Manure contaminated with ragweed seed
- ☐ Seed brought in through floodwaters
- ☐ Don't know
- ☐ Not applicable
- ☐ Other

Soybeans

Are soybeans grown in your county? *

(please select one)

- ☐ Yes ☐ No ☐ Don't know

For the soybean crops grown in your county, what percentage of crop acreage uses each of the following tillage practices? *

(percentages must sum to 100%)

% Conventional tillage - (e.g., moldboard plow, < 30% cover of crop residues remaining on surface)

% Minimum tillage - (e.g., chisel plot, > 30% cover of crop residues remaining on the surface)

% No tillage

0 out of 100% Total

In your county, what percentage of the soybean acres was rotated at least once in the last three years?

- ☐ 0%
- ☐ 1% to 5%
- ☐ 6% to 20%
- ☐ 21% to 40%
- ☐ 41% to 60%
- ☐ 61% to 80%
- ☐ More than 80%
- ☐ Don't know

For the soybean crops grown in your county, what percentage of crop acreage uses each of the following herbicide practices? *

(percentages must sum to 100%)

% Pre Only - Herbicide applied before the emergence of the specified crop or weed, surface applied or incorporated.

% Post Only - Herbicide applied after the emergence of the specified crop or weed.

% Pre and Post - Herbicide applied before and after the emergence of the specified crop or weed.

% No Pre and/or Post Herbicide Applied

0 out of 100% Total

In soybean fields in your county, what percentage uses each of the following number of post applications: *

(percentages must sum to 100%)

% No Post applications

% 1 Post application

% 2 Post applications

% more than 2 Post applications

0 out of 100% Total

Of the Round-up Ready soybean acres in your county, on what percent of the acres is glyphosate the only herbicide applied post-emergence?

- ☐ 0%
- ☐ 1% to 5%
- ☐ 6% to 20%
- ☐ 21% to 40%
- ☐ 41% to 60%
- ☐ 61% to 80%
- ☐ More than 80%
- ☐ Don't know

In soybean fields in your county, has herbicide-resistant giant ragweed been suspected or confirmed (by University weed scientists or another entity)? *(Herbicide resistance is the inherited ability of a plant to survive and reproduce following exposure to a dose of herbicide normally lethal to the wild type.*

(please select one per row)

	Yes, suspected	Yes, confirmed	No	Don't know
Resistant to ALS-Inhibiting herbicides (e.g., Classic, FirstRate, Raptor, Pursuit)	☐	☐	☐	☐
Resistant to glyphosate (e.g., Roundup, Glyphomax, Buccaneer)	☐	☐	☐	☐
Resistant to both ALS-Inhibiting herbicides and glyphosate	☐	☐	☐	☐

In soybean fields in your county with confirmed or suspected herbicide-resistant giant ragweed, do the populations occur in:

(check all that apply)

- ☐ Fields in floodplains
- ☐ Fields above the floodplain
- ☐ Don't know

In soybean fields where confirmed or suspected herbicide-resistant giant ragweed occurs, which of the following appear to be sources of that population:

(check all that apply)

- ☐ Management practices selected for resistant giant ragweed
- ☐ Equipment contaminated with ragweed seed
- ☐ Custom operation (e.g., tillage, planting, harvesting, etc.)
- ☐ Crop seed contamination
- ☐ Manure contaminated with ragweed seed
- ☐ Seed brought in through floodwaters
- ☐ Don't know
- ☐ Not applicable
- ☐ Other

Wheat

Is wheat grown in your county? *

(please select one)

- ☐ Yes ☐ No ☐ Don't know

For the wheat crops grown in your county, what percentage of crop acreage uses each of the following tillage practices? *

(percentages must sum to 100%)

% Conventional tillage - (e.g., moldboard plow, < 30% cover of crop residues remaining on surface)

% Minimum tillage - (e.g., chisel plot, > 30% cover of crop residues remaining on the surface)

% No tillage

0 out of 100% Total

In your county, what percentage of the wheat acres was rotated at least once in the last three years?

- ☐ 0%
- ☐ 1% to 5%
- ☐ 6% to 20%
- ☐ 21% to 40%
- ☐ 41% to 60%
- ☐ 61% to 80%
- ☐ More than 80%
- ☐ Don't know

For the wheat crops grown in your county, what percentage of crop acreage uses each of the following herbicide practices? *

(percentages must sum to 100%)

% Pre Only - Herbicide applied before the emergence of the specified crop or weed, surface applied or incorporated.

% Post Only - Herbicide applied after the emergence of the specified crop or weed.

% Pre and Post - Herbicide applied before and after the emergence of the specified crop or weed.

% No Pre and/or Post Herbicide Applied

0 out of 100% Total

In wheat fields in your county, what percentage uses each of the following number of post applications: *

(percentages must sum to 100%)

% No Post applications

% 1 Post application

% 2 Post applications

% more than 2 Post applications

0 out of 100% Total

In wheat fields in your county, has herbicide-resistant giant ragweed been suspected or confirmed (by University weed scientists or another entity)? (*Herbicide resistance is the inherited ability of a plant to survive and reproduce following exposure to a dose of herbicide normally lethal to the wild type.*)

(please select one per row)

	Yes, suspected	Yes, confirmed	No	Don't know
Resistant to ALS-Inhibiting herbicides (e.g., Glean, Osprey, Peak, Harmony)	☐	☐	☐	☐
Resistant to glyphosate (e.g., Roundup, Glyphomax, Buccaneer)	☐	☐	☐	☐
Resistant to both ALS-Inhibiting herbicides and glyphosate	☐	☐	☐	☐

In wheat fields in your county with confirmed or suspected herbicide-resistant giant ragweed, do the populations occur in:

(check all that apply)

- ☐ Fields in floodplains
- ☐ Fields above the floodplain
- ☐ Don't know

In wheat fields where confirmed or suspected herbicide-resistant giant ragweed occurs, which of the following appear to be sources of that population:

(check all that apply)

- ☐ Management practices selected for resistant giant ragweed
- ☐ Equipment contaminated with ragweed seed
- ☐ Custom operation (e.g., tillage, planting, harvesting, etc.)
- ☐ Crop seed contamination
- ☐ Manure contaminated with ragweed seed
- ☐ Seed brought in through floodwaters
- ☐ Don't know
- ☐ Not applicable
- ☐ Other

Wheat

Is wheat grown in your county? *

(please select one)

- ☐ Yes ☐ No ☐ Don't know

For the wheat crops grown in your county, what percentage of crop acreage uses each of the following tillage practices? *

(percentages must sum to 100%)

- % **Conventional tillage** - *(e.g., moldboard plow, < 30% cover of crop residues remaining on surface)*
- % **Minimum tillage** - *(e.g., chisel plot, > 30% cover of crop residues remaining on the surface)*
- % **No tillage**

0 out of 100% Total

In your county, what percentage of the wheat acres was rotated at least once in the last three years?

- ☐ 0%
- ☐ 1% to 5%
- ☐ 6% to 20%
- ☐ 21% to 40%
- ☐ 41% to 60%
- ☐ 61% to 80%
- ☐ More than 80%
- ☐ Don't know

For the wheat crops grown in your county, what percentage of crop acreage uses each of the following herbicide practices? *

(percentages must sum to 100%)

% Pre Only - Herbicide applied before the emergence of the specified crop or weed, surface applied or incorporated.

% Post Only - Herbicide applied after the emergence of the specified crop or weed.

% Pre and Post - Herbicide applied before and after the emergence of the specified crop or weed.

% No Pre and/or Post Herbicide Applied

0 out of 100% Total

In wheat fields in your county, what percentage uses each of the following number of post applications: *

(percentages must sum to 100%)

% No Post applications

% 1 Post application

% 2 Post applications

% more than 2 Post applications

0 out of 100% Total

In wheat fields in your county, has herbicide-resistant giant ragweed been suspected or confirmed (by University weed scientists or another entity)? (*Herbicide resistance is the inherited ability of a plant to survive and reproduce following exposure to a dose of herbicide normally lethal to the wild type.*)

(please select one per row)

	Yes, suspected	Yes, confirmed	No	Don't know
Resistant to ALS-Inhibiting herbicides (e.g., Glean, Osprey, Peak, Harmony)	☐	☐	☐	☐
Resistant to glyphosate (e.g., Roundup, Glyphomax, Buccaneer)	☐	☐	☐	☐
Resistant to both ALS-Inhibiting herbicides and glyphosate	☐	☐	☐	☐

In wheat fields in your county with confirmed or suspected herbicide-resistant giant ragweed, do the populations occur in:

(check all that apply)

- ☐ Fields in floodplains
- ☐ Fields above the floodplain
- ☐ Don't know

In wheat fields where confirmed or suspected herbicide-resistant giant ragweed occurs, which of the following appear to be sources of that population:

(check all that apply)

- ☐ Management practices selected for resistant giant ragweed
- ☐ Equipment contaminated with ragweed seed
- ☐ Custom operation (e.g., tillage, planting, harvesting, etc.)
- ☐ Crop seed contamination
- ☐ Manure contaminated with ragweed seed
- ☐ Seed brought in through floodwaters
- ☐ Don't know
- ☐ Not applicable
- ☐ Other

Demographics

16. How long have you been a certified crop advisor in your area?

- ☐ Less than 1 year ☐ 1 to 5 years ☐ 6 to 10 years ☐ 11 - 15 years ☐ 16 - 20 years ☐ More than 20 years

17. If you are interested in being contacted or would like to receive follow-up information, please provide your name, e-mail address, and phone in the area below.

Name

E-mail address

Phone