

EXPERIMENT STATION
OF THE
KANSAS STATE AGRICULTURAL COLLEGE,
M A N H A T T A N .

BULLETIN NO. 52—SEPTEMBER, 1895.

BOTANICAL DEPARTMENT.
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**SECOND REPORT ON KANSAS WEEDS—PRELIMINARY CIRCULAR
ON DISTRIBUTION.**

The Department of Botany has in preparation a bulletin upon the distribution, or range, in Kansas of the various kinds of weeds. In order to make this report as complete as possible it is desirable that we have specimens of the weeds from every county in the state. It is for this reason that the present preliminary circular has been issued, hoping that the readers in Kansas will make an effort to help us in gathering the necessary information. It is only through the united efforts of the farmers of the state that this information can be obtained. We have collected in fifty-six counties, but the state is large. Many counties are not represented in our collection, others by but a few specimens.

It is proposed in the bulletin mentioned to give a description of each weed and the counties where it has been found. It is necessary that our lists should be based on specimens themselves. There is much confusion in the common names of plants. What is called Iron-weed in one locality may be very different from the Iron-weed of another locality. We ask, then, that every reader of this bulletin in Kansas, outside of Riley county, will send us a collection of the weeds of his locality. The direction, for sending will be given below. We

wish particularly to have collections from the following counties as they are scarcely represented in our herbarium:

Allen,	Franklin,	Mitchell,
Anderson,	Graham,	Neosho,
Chatauqua,	Gray,	Norton,
Cheyenne,	Harper,	Osage,
Clark,	Harvey,	Phillips,
Cloud,	Jewell,	Pratt,
Coffey,	Kearney,	Rawlins,
Comanche,	Leavenworth,	Sheridan,
Cowley,	Lyon,	Smith,
Dickinson,	Marshall,	Thomas,
Edwards,	Meade,	Wilson,
Elk,		Woodson.

We have only small collections from several other counties.

DIRECTIONS FOR SENDING SPECIMENS.

A small portion of each plant showing a few well developed leaves, and flowers or fruit if convenient, can be wrapped snugly in paper and sent by mail to the Botanical Department of the Experiment Station, Manhattan, Kansas. Each plant should have a number attached to it but no other writing. In a letter sent separately should be given all the information concerning each number. This information should include the name of the weed in common usage, the abundance, the kind of soil in which it occurs; notes on methods used in eradication of weeds in general, or of any kind in particular, whether successful or unsuccessful; the relative noxiousness and the amount of damage done to crops by different kinds of weeds.

Upon the outside of the package the sender should in addition to the address, write his own name and address after the word "from." The station will return the postage to any sending weeds in this way. The plants should not be put in a box, nor should they be sent by express.

A blank is enclosed with this bulletin which can be used in making the desired report. We ask that at least the first ten in the list be placed in the order of their injuriousness, the worst weed being placed at the top.

All contributors of specimens and notes will be credited in the final report.

The following list includes only the common weeds and shows their distribution by counties so far as indicated by specimens in our possession. Many other plants become more or less weed-like in certain localities and will be included in the complete list. We shall be glad to receive any weed from any county from which we do not already have a specimen.

The college herbarium contains specimens of the common weeds from the following counties:

MEXICAN POPPY (*Argemone hispida.*)

Gove, Hamilton, Hodgeman, Logan, Ness, Pawnee, Rush, Stanton.
 Wallace.

MEXICAN POPPY (*Argemone Mexicana albiflora.*)

Barber, Barton, Ellis, Ellsworth, Ford, Gove, Greeley, Lincoln, Logan,
 McPherson, Ottawa, Rawlins, Republic, Rice, Riley, Russell, Trego,
 Wabaunsee, Wallace, Wichita.

HEDGE MUSTARD (*Sisymbrium officinale*)

Bourbon, Douglas, Greenwood, Jackson, Johnson, Linn, Miami,
 Osage, Pottawatomie, Riley, Shawnee, Wabaunsee, Wyandotte.

BLACK MUSTARD (*Brassica nigra*)

Greenwood, Johnson, Linn, McPherson, Miami, Wabaunsee.

CHARLOCK (*Brassica sinapistrum.*)

Decatur, Greenwood, Lincoln, Morris, Republic, Riley, Sherman.

SHEPHERD'S PURSE (*Capsella Bursa pastoris.*)

Douglas, Jackson, Riley, Sherman, Wabaunsee, Wyandotte.

PEPPER-GRASS (*Lepidium intermedium.*)

Barton, Grant, Greeley, Hodgeman, Jackson, Lane, Lincoln, Logan,
 Ness, Pawnee, Pottawatomie, Rawlins, Republic, Riley, Rush, Russell,
 Scott, Wabaunsee, Wallace, Wichita.

PEPPER-GRASS (*Lepidium Virginicum.*)

Atchison, Barber, Bourbon, Cherokee, Cloud, Douglas, Ford, Green-
 wood, Hamilton, Johnson, Linn, McPherson, Miami, Morris, Pottawa-
 tomie, Reno, Republic, Riley, Sedgwick, Sherman, Stafford, Sumner
 Wabaunsee, Wyandotte.

ROCKY MOUNTAIN BEE PLANT (*Cleome integrifolia.*)

Barton, Doniphan, Ellsworth, Finney, Grant, Hodgeman, Logan, Mor-
 ton, Ness, Rawlins, Republic, Riley, Russell, Scott, Seward, Sheridan,
 Stanton, Wabaunsee, Wichita.

PURSLANE (*Portulaca oleracea*)

Barton, Bourbon, Butler, Clay, Ellis, Finney, Ford, Hamilton, Hodge-
 man, Johnson, Lane, Linn, Lyon, Marion, McPherson, Miami, Ottawa,
 Pawnee, Rice, Riley, Rush, Russell, Scott, Seward, Sumner, Trego,
 Wabaunsee, Wallace.

MALLOW (*Malva rotundifolia.*)

Cherokee, Marion, Riley.

SIDA (*Sida spinosa.*)

Bourbon, Butler, Doniphan, Douglas, Greenwood, Jackson, Johnson,
 Linn, McPherson, Miami, Riley, Saline, Shawnee, Wabaunsee.

VELVET LEAF (*Abutilon Avicennæ.*)

Bourbon, Chase, Cherokee, Greenwood, Johnson, Linn, McPherson,
 Marion, Miami, Morris, Ottawa, Riley, Saline, Shawnee, Wabaunsee.

BLADDER KETMIA (*Hibiscus Trionum.*)

Barton, Cloud, Ford, Lincoln, Marion, McPherson, Riley, Sedgwick,
 Shawnee, Sumner, Wabaunsee.

WHITE SWEET CLOVER (*Melilotus alba.*)

Barber, Bourbon, Butler, Chase, Douglas, Greenwood, Johnson, Miami,
 McPherson, Riley, Shawnee, Sedgwick.

LOCO WEED (*Astragalus mollissimus.*)

Barber, Barton, Clark, Decatur, Ellis, Ford, Gove, Grant, Hodgeman,
 Haskell, Kiowa, Lane, Logan, Ness, Osborne, Rawlins, Rooks, Rush,
 Seward, Scott, Smith, Trego, Wallace.

EVENING PRIMROSE (*Oenothera biennis.*)

Barton, Cherokee, Domphan, Dickinson, Finney, Hamilton, Hodge-
 man, Johnson, Lincoln, Linn, Marion, Miami, Morris, Ottawa, Riley,
 Rush, Stafford.

DOWNY GAURA (*Gaura biennis.*)

Chase, Johnson, Miami, Morris, Pottawatomie, Osage, Riley, Shawnee.

VELVET GAURA (*Gaura parviflora.*)

Barber, Barton, Butler, Clay, Douglas, Ellsworth, Finney, Ford,
 Geary, Greenwood, Hamilton, Hodgeman, Jackson, Kingman, Lincoln,
 Lane, Logan, Marion, McPherson, Morton, Osage, Ottawa, Republic,
 Rice, Riley, Rush, Russell, Smith, Stanton, Stevens, Sumner, Trego,
 Wabaunsee.

IRON-WEED (*Vernonia Baldwinii.*)

Barber, Barton, Bourbon, Butler, Domphan, Douglas, Ellis, Ells-
 worth, Greenwood, Hamilton, Hodgeman, Jackson, Johnson, Lincoln,
 Linn, Lyon, Marion, McPherson, Miami, Morris, Ness, Osage, Osborne,
 Pawnee, Republic, Riley, Rooks, Rush, Russell, Saline, Sedgwick, Sum-
 ner, Wabaunsee.

TANSY ASTER (*Aster tanacetifolius.*)

Ellis, Finney, Gove, Grant, Greeley, Hamilton, Hodgeman, Logan,
 Morton, Ness, Scott, Seward, Stevens, Trego, Wallace, Wichita.

HORSE WEED, HORSE TAIL (*Erigeron Canadensis.*)

Barton, Bourbon, Butler, Ellis, Finney, Ford, Grant, Greeley, Haskell,
 Hodgeman, Jackson, Johnson, Lane, Lincoln, Linn, Lyon, Marion,
 McPherson, Miami, Ness, Osage, Ottawa, Pawnee, Republic, Rice,
 Riley, Rush, Russell, Scott, Sedgwick, Seward, Shawnee, Stanton,
 Wabaunsee, Wichita.

FLEABANE (*Erigeron strigosus.*)

Barber, Butler, Clay, Cloud, Ellsworth, Ford, Greenwood, Jackson,

Lincoln, McPherson, Morris, Osborne, Reno, Republic, Riley, Russell, Sedgwick, Seward, Sherman, Sumner, Trego, Wabaunsee, Wyandotte.

IVA (*Iva ciliata*.)

Barton, Chase, Cherokee, Hodgeman, Labette, McPherson, Miami, Linn, Ness, Pottawatomie, Reno, Rice, Riley, Sedgwick, Shawnee, Rush.

FALSE SUNFLOWER, GIANT RAGWEED (*Iva xanthiifolia*.)

Barton, Ellsworth, Hamilton, Lane, Riley, Scott, Sedgwick, Seward Trego, Wallace, Wichita.

LITTLE RAGWEED (*Ambrosia artemisiaefolia*.)

Butler, Clay, Ellsworth, Johnson, Linn, Marion, Morris, Osage, Riley, Russell, Trego, Sedgwick, Wabaunsee.

RAGWEED (*Ambrosia bidentata*.)

Cherokee, Linn.

PRAIRIE RAGWEED (*Ambrosia psilostachya*.)

Barton, Clay, Crawford, Decatur, Ellis, Ellsworth, Finney, Gove, Grant, Greeley, Greenwood, Hamilton, Hodgeman, Jackson, Johnson, Lane, Lincoln, Linn, Logan, Lyon, Marion, McPherson, Morris, Morton, Ness, Pawnee, Pottawatomie, Reno, Rice, Riley, Rush, Russell, Sedgwick, Shawnee, Stanton, Stevens, Trego, Wabaunsee, Wallace.

BIG RAGWEED (*Ambrosia trifida*.)

Barber, Barton, Bourbon, Butler, Finney, Geary, Greenwood, Hodgeman, Johnson, Lincoln, Linn, Lyon, Marion, McPherson, Miami, Morris, Osage, Pawnee, Rice, Riley, Rush, Saline, Scott, Trego, Wabaunsee.

COCKLEBUR (*Xanthium Canadense*.)

Barton, Chase, Cherokee, Ellsworth, Finney, Greeley, Gove, Grant, Hodgeman, Johnson, Lincoln, Linn, Marion, Morris, Morton, Ness, Ottawa, Pawnee, Riley, Rooks, Rush, Russell, Scott, Shawnee, Stanton, Trego, Wabaunsee.

COCKLEBUR (*Xanthium Strumarium*.)

Atchison.

SUNFLOWER (*Helianthus annuus*.)

Barber, Barton, Bourbon, Butler, Chase, Crawford, Decatur, Ellis, Ellsworth, Finney, Ford, Gove, Grant, Greeley, Hamilton, Hodgeman, Jackson, Johnson, Kiowa, Lane, Lincoln, Linn, Logan, Marion, Meade, McPherson, Miami, Morris, Morton, Ness, Norton, Osborne, Pawnee, Pottawatomie, Rawlins, Republic, Rice, Riley, Rush, Russell, Scott, Sherman, Smith, Stanton, Stevens, Sumner, Trego, Wabaunsee, Wallace, Wichita.

SANDHILL SUNFLOWER (*Helianthus petiolaris*.)

Barber, Barton, Clark, Clay, Ellsworth, Finney, Ford, Grant, Greeley, Harper, Haskell, Hodgeman, Kiowa, Lane, Lincoln, Logan, McPherson,

son, Meade, Ness, Norton, Ottawa, Reno, Rice, Riley, Russell, Seward, Stevens, Sumner, Trego, Wabaunsee, Wallace, Wichita.

GAILLARDIA (*Gaillardia pulchella*)

Barber, Clark, Decatur, Ellis, Ellsworth, Finney, Ford, Gove, Grant, Hamilton, Haskell, Hodgeman, Logan, Meade, Morton, Ness, Norton, Pawnee, Republic, Riley, Rush, Russell, Seward, Stafford, Stevens, Sumner, Trego, Wichita.

STINK-WEED (*Dysodia chrysanthemoides.*)

Barber, Barton, Bourbon, Butler, Chase, Cherokee, Clay, Cloud, Decatur, Douglas, Ellis, Ellsworth, Finney, Ford, Gove, Grant, Greenwood, Greeley, Hamilton, Hodgeman, Jackson, Johnson, Lane, Linn, Logan, Lincoln, Lyon, Marion, McPherson, Meade, Miami, Morris, Morton, Ness, Rawlins, Republic, Rice, Riley, Rush, Russell, Saline, Scott, Sedgwick, Shawnee, Stanton, Stevens, Trego, Wabaunsee, Wallace, Wichita, Wyandotte.

DOG FENNEL (*Anthemis Cotula.*)

Butler, Bourbon, Chase, Clay, Douglas, Johnson, Linn, McPherson, Miami, Pottawatomie, Riley, Shawnee, Wyandotte.

OX-EYE DAISY (*Chrysanthemum Leucanthemum.*)

Riley, Wabaunsee.

BURDOCK (*Arctium Lappa.*)

Bourbon, Chase, Douglas, Hodgeman, Greenwood, Jackson, Johnson, Miami, Riley, Shawnee.

HIGH THISTLE (*Cnicus altissimus.*)

Barton, Butler, Clay, Jackson, Linn, McPherson, Morris, Pottawatomie, Rice, Riley, Shawnee.

CANADA THISTLE (*Cnicus arvensis.*)

Wyandotte.

THISTLE (*Cnicus lanceolatus.*)

Franklin, Jackson, Johnson, Shawnee, Wabaunsee.

PASTURE THISTLE (*Cnicus ochrocentrus*)

Barber, Barton, Edwards, Ellis, Ellsworth, Ford, Gove, Grant, Greeley, Hamilton, Haskell, Hodgeman, Kiowa, Lane, Lincoln, Logan, Morton, Ness, Pawnee, Reno, Rice, Rush, Russell, Saline, Scott, Seward, Smith, Stanton, Stevens, Sumner, Trego, Wallace, Wichita.

PASTURE THISTLE (*Cnicus undulatus.*)

Barber, Clay, Decatur, Ellis, Ellsworth, Gove, Greeley, Harper Kingman, Lincoln, Logan, McPherson, Morton, Ottawa, Republic, Riley, Russell, Seward, Smith, Stanton, Sumner, Trego, Wallace, Wichita.

DANDELION (*Taraxacum officinale.*)

Ford, Republic, Riley, Wabaunsee, Wyandotte.

WILD LETTUCE (*Lactuca Canadensis.*)

Butler, Chase, Douglas, Ellsworth, Greenwood, Hodgeman, Jackson,

Johnson, Lincoln, Linn, Marion, Miami, Morris, Ness, Ottawa, Pawnee, Rice, Riley. Rush, Russell, Sedgwick, Sumner,

PRICKLY LETTUCE (*Lactuca Scariola*)

Barton, Butler, McPherson, Riley, Saline, Sumner.

DOGBANE INDIAN HEMP (*Apocynum cannabinum.*)

Barton, Butler, Clay, Decatur, Ellsworth, Finney, Ford, Greenwood, Hamilton, Jackson, Johnson, Lincoln, Linn, Logan, McPherson, Miami, Morris, Ness, Ottawa, Rawlins, Republic, Riley, Sedgwick, Shawnee, Sumner, Trego, Wabaunsee, Wyandotte.

MILKWEED (*Asclepias Cornuti.*)

Barber, Barton, Butler, Chase, Clay, Domphan, Ellis, Lincoln, Miami, Pawnee, Republic, Riley, Rush, Russell, Smith, Wabaunsee.

MILKWEED (*Asclepias Jamesii.*)

Barber, Ellsworth, Finney, Gove, Grant, Greeley, Hamilton, Haskell, Hodgeman, Lane, Morton, Ness, Pawnee, Rice, Rush, Stanton, Stevens, Trego, Wallace, Wichita.

MILKWEED (*Acerates viridiflora.*)

Barber, Butler, Chase, Crawford, Decatur, Ellis, Ellsworth, Gove, Hamilton, Hodgeman, Jackson, Lincoln, Logan, Lyon, McPherson, Morris, Ottawa, Rice, Riley, Russell, Sedgwick, Seward, Stevens, Stanton, Sumner, Wabaunsee, Wallace, Wichita.

ENSLERIA (*Enslenia albida.*)

Bourbon, Butler, Cherokee, Labette, Lincoln, Miami, Pottawatomie, Riley, Woodson.

HOUND'S TONGUE (*Cynoglossum officinale.*)

Greenwood, Riley, Wyandotte.

BEGGAR'S LICE (*Echinosperrnum Redowskii.*)

Cloud, Ford, Gove, Greenwood, Hamilton, Hodgeman, Logan, Meade, Mitchell, Pawnee, Pottawatomie, Rawlins, Republic, Riley, Rooks, Rush, Russell, Sherman, Seward, Wallace.

KRYNITEKIA (*Krynitzkia crassisealum.*)

Decatur, Finney, Ford, Gove, Hodgeman, Lane, Logan, Morton, Ness, Rawlins, Seward, Sherman, Stanton, Stevens, Wallace.

MORNING GLORY (*Ipomœa hederacea.*)

Bourbon, Butler, Cherokee, Domphan, Douglas, Greenwood, Johnson, Linn, Morris, Riley Shawnee.

MORNING GLORY (*Ipomœa purpurea.*)

Finney, Lincoln. Republic, Riley, Saline.

BINDWEED (*Convolvulus arvensis.*)

Barton, Clay, Ellis, Ford, Marion, Riley

BINDWEED (*Convolvulus sepium.*)

Barber, Ellsworth, Ford, Greenwood, Johnson, Linn, McPherson, Miami, Ness, Riley Sherman, Sumner.

HORSE NETTLE (*Solanum Carolinense.*)

Bourbon, Cherokee, Clay, Cloud, Crawford, Douglas, Greenwood, Jackson, Johnson, Linn, Lyon, Morris, Miami, Osage, Pottawatomie, Riley, Saline, Sedgwick, Shawnee, Sumner, Wabaunsee, Wyandotte.

WOOLY NIGHTSHADE (*Solanum elaeagnifolium.*)

Barber, Chase, Sumner, Woodson.

NIGHTSHADE (*Solanum nigrum.*)

Barber, Barton, Butler, Chase, Greenwood, Hamilton, Jackson, Lyon, Lincoln, Marion, McPherson, Morris, Osborne, Pottawatomie, Rice, Riley, Russell, Saline, Seward, Stanton, Wabaunsee.

TEXAS NETTLE, BULL NETTLE (*Solanum rostratum.*)

Barber, Barton, Butler, Chase, Clay, Cloud, Decatur, Douglas, Ellsworth, Finney, Ford, Gove, Grant, Greeley, Greenwood, Hamilton, Harper, Haskell, Jackson, Johnson, Kingman, Kiowa, Lane, Lincoln, Linn, Logan, Lyon, McPherson, Miami, Morris, Morton, Ness, Osage, Pawnee, Pottawatomie, Rawlins, Reno, Rice, Riley, Rush, Russell, Saline, Scott, Seward, Shawnee, Sherman, Smith, Stanton, Stevens, Trego, Wabaunsee, Wallace, Wichita.

SPREADING NIGHTSHADE (*Solanum triflorum.*)

Barton, Gove, Grant, Greeley, Rawlins, Republic, Wallace, Wichita.

GROUND CHERRY (*Physalis lanceolata.*)

Barber, Barton, Bourbon, Butler, Chase, Clay, Decatur, Douglas, Ellsworth, Gove, Greeley, Greenwood, Hamilton, Hodgeman, Jackson, Johnson, Lincoln, Linn, Lyon, Marion, McPherson, Miami, Morris, Ness, Osborne, Ottawa, Pawnee, Pottawattomie, Republic, Riley, Rooks, Rush, Russell, Saline, Sedgwick, Shawnee, Sumner, Wabaunsee, Wallace.

SPREADING GROUND CHERRY (*Physalis lobata.*)

Finney, Hamilton, Meade, Scott, Wallace.

GROUND CHERRY (*Physalis Virginiana.*)

Butler, Chase, Cherokee, Clay, Crawford, Ellsworth, Grant, Greenwood, Lincoln, Linn, McPherson, Ottawa, Pottawatomie, Rice, Riley, Rooks, Russell, Shawnee, Wabaunsee, Wyandotte.

JIMSON WEED (*Datura Stramonium.*)

Barber, Bourbon, Chase, Ellsworth, Greenwood, Johnson, Linn, Miami, Marion, Morris, Ottawa, Pottawatomie, Riley, Shawnee, Wabaunsee.

PURPLE JIMSON WEED (*Datura Tatula.*)

Ottawa, Riley.

MULLEIN (*Verbascum Thapsus.*)

Chase, Greenwood, Johnson, Linn, Miami, Pottawatomie, Riley.

DEVIL'S CLAW (*Martynia proboscidea.*)

Barber, Barton, Dickinson, Ellis, Ellsworth, Finney, Gove, Greeley, Grant, Hamilton, Harper, Hodgeman, Kingman, Lane, Lincoln, Logan,

McPherson, Morton, Ness, Osborne, Pawnee, Riley, Rush, Seward, Scott, Stanton, Stevens, Trego, Wallace, Wichita.

WILD VERBENA (*Verbena stricta*.)

Barber, Barton, Bourbon, Butler, Chase, Cherokee, Clay, Cloud, Decatur, Douglas, Ellis, Ellsworth, Ford, Geary, Gove, Greeley, Greenwood, Hamilton, Harper, Hodgeman, Jackson, Johnson, Lane, Lincoln, Linn, Logan, Marion, McPherson, Meade, Miami, Morris, Norton, Osage, Osborne, Pawnee, Pottawatomie, Reno, Republic, Rice, Riley, Rooks, Rush, Russell, Sedgwick, Shawnee, Sherman, Smith, Sumner, Trego, Wallace, Wichita, Wyandotte.

ENGLISH PLANTAIN, RIB GRASS (*Plantago lanceolata*.)

Johnson, Linn, Riley.

PLANTAIN (*Plantago major*.)

Linn, Osage, Riley

PLANTAIN (*Plantago Rugelii*.)

Bourbon, Butler, Greenwood, Johnson, Linn, McPherson, Miami, Morris, Republic, Riley, Shawnee, Wabaunsee, Wyandotte.

TUMBLE WEED (*Amarantus albus*.)

Barber, Barton, Butler, Chase, Clay, Crawford, Decatur, Ellis, Ellsworth, Finney, Ford, Geary, Gove, Grant, Greeley, Haskell, Hodgeman, Kiowa, Lane, Linn, Logan, Marion, McPherson, Morris, Morton, Ness, Ottawa, Pawnee, Rawlins, Rice, Riley, Rush, Russell, Saline, Scott, Seward, Smith, Stanton, Stevens, Sumner, Trego, Wabaunsee, Wallace, Wichita.

SPREADING AMARANTH (*Amarantus blitoides*.)

Barber, Barton, Bourbon, Butler, Clay, Crawford, Decatur, Douglas, Ellis, Ellsworth, Finney, Ford, Geary, Gove, Greeley, Greenwood, Harper, Haskell, Jackson, Kiowa, Lane, Lincoln, Linn, Logan, Lyon, Marion, Miami, Ness, Osage, Reno, Republic, Rice, Riley, Rush, Russell, Scott, Sedgwick, Seward, Sherman, Smith, Stanton, Sumner, Trego, Wabaunsee, Wallace, Wichita.

GREEN AMARANTH. PIGWEED (*Amarantus chlorostachys*.)

Chase, Doniphan, Geary, Greeley, Johnson, Marion, Morris, Riley.

GREEN AMARANTH. PIGWEED. REDROOT (*Amarantus retroflexus*.)

Barber, Barton, Bourbon, Butler, Chase, Clay, Decatur, Douglas, Ellis, Ellsworth, Finney, Ford, Gove, Grant, Greeley, Greenwood, Hamilton, Haskell, Hodgeman, Kingman, Kiowa, Lane, Lincoln, Linn, Logan, Lyon, Marion, McPherson, Meade, Miami, Morris, Morton, Ness, Ottawa, Pawnee, Reno, Riley, Rush, Russell, Scott, Sedgwick, Seward, Smith, Stanton, Stevens, Sumner, Trego, Wabaunsee, Wallace, Wichita.

SPINY AMARANTH (*Amarantus spinosus*.)

Bourbon, Cherokee, Montgomery, Pottawatomie.

WATER HEMP (*Acnida tuberculata*.)

Barton, Bourbon, Butler, Chase, Clay, Douglas, Greenwood, Haskell, Hodgeman, Jackson, Johnson, Lincoln, Linn, Lyon, Marion, McPherson, Miami, Morris, Ness, Ottawa, Pawnee, Reno, Republic, Rice, Riley, Rush, Russell, Saline, Sedgwick, Seward, Wabaunsee.

LAMB'S QUARTER (*Chenopodium album*.)

Barton, Butler, Clay, Decatur, Doniphan, Ellis, Ellsworth, Ford, Gove, Grant, Greeley, Hamilton, Harper, Jackson, Johnson, Kiowa, King, Lane, Lincoln, Linn, Logan, McPherson, Meade, Miami, Morris, Ness, Ottawa, Pottawatomie, Rawlins, Riley, Rooks, Russell, Seward, Scott, Shawnee, Sherman, Smith, Stanton, Sumner, Trego, Wabaunsee, Wallace, Wichita.

MAPLE-LEAVED GOOSEFOOT (*Chenopodium hybridum*.)

Barton, Bourbon, Butler, Ellis, Ellsworth, Greenwood, Lincoln, Linn, Marion, McPherson, Miami, Morris, Ottawa, Pottawatomie, Republic, Rice, Riley, Rush, Russell, Shawnee, Sumner, Wabaunsee.

SALT WEED (*Atriplex argenteum*.)

Barton, Cloud, Finney, Gove, Hamilton, Logan, Reno, Wallace.

BUG-SEED (*Corispermum hyssopifolium*.)

Grant, Greeley, Haskell, Logan, Morton, Ness, Scott, Seward, Stafford, Stanton, Stevens, Wallace, Wichita.

RUSSIAN THISTLE (*Salsola Kali Tragus*)

Gove, Grant, Gray, Hamilton, Morton, Phillips, Riley, Stevens, Wichita.

POKEWEED (*Phytolacca decandra*.)

Bourbon, Butler, Chase, Cherokee, Greenwood, Johnson, Linn, Miami, McPherson, Riley, Shawnee, Sumner, Wyandotte.

SHEEP SORREL (*Rumex Acetosella*.)

Riley, Shawnee, Wabaunsee.

CURLED DOCK (*Rumex crispus*.)

Butler, Clark, Ford, Greenwood, Jackson, Linn, Marion, McPherson, Republic, Riley, Shawnee, Wabaunsee.

KNOTWEED (*Polygonum aviculare*.)

Barber, Barton, Butler, Decatur, Ellis, Ford, Greenwood, Hodgeman, Johnson, Lincoln, Linn, Marion, McPherson, Miami, Morris, Ness, Pawnee, Pottawatomie, Republic, Rice, Riley, Rooks, Rush, Russell, Shawnee, Sumner, Trego, Wabaunsee, Wichita.

WILD BUCKWHEAT (*Polygonum Convolvulus*.)

Barton, Butler, Bourbon, Decatur, Ellsworth, Ford, Greeley, Greenwood, Hamilton, Hodgeman, Johnson, Linn, Lyon, Marion, McPherson, Miami, Morris, Pawnee, Republic, Rice, Riley, Rush, Shawnee, Smith, Trego, Wabaunsee.

SMARTWEED (*Polygonum lapathifolium*.)

Barton, Butler, Ellsworth, Ford, Greeley, Hodgeman, Johnson, Miami,

McPherson, Ness, Ottawa, Pawnee, Rice, Riley, Russell, Sumner, Wabaunsee.

SMARTWEED (*Polygonum Muhlenbergii.*)

Buttler, Doniphan, Ellsworth, Greenwood, Jackson, Johnson, Lincoln Linn, Marion, Meade. Morris, Ness, Ottawa, Rawlins, Riley, Rooks, Rush, Scott, Sedgwick.

SMARTWEED (*Polygonum Pennsylvanicum.*)

Barber, Barton, Bourbon, Butler, Chase, Cherokee, Ellis, Ellsworth, Finney, Gove, Harper, Haskell, Hodgeman, Johnson, Lane, Lincoln, Linn, Lyon, Marion, McPherson, Miami, Morris, Ness, Osage, Pawnee, Reno, Republic, Rice, Riley, Rush, Saline, Scott, Sedgwick, Seward, Shawnee, Wabaunsee, Wallace, Wichita.

TALL KNOTWEED (*Polygonum ramosissimum.*)

Barber, Barton, Butler, Ellsworth, Finney, Grant, Greeley, Harper, Hodgeman, Johnson, Lane, Lincoln, Linn, Marion, McPherson, Miami, Morris, Morton. Ness, Pawnee, Reno, Republic, Rice, Riley, Rush, Saline, Scott, Sedgwick, Seward, Sumner, Wallace, Wichita.

SPURGE (*Euphorbia dentata.*)

Atchison, Barber, Barton, Bourbon. Butler, Chase, Douglas, Ellsworth, Hamilton, Hodgeman, Jackson, Lincoln, Logan, Miami, Morton, Ness, Ottawa, Rice, Riley Rush, Russell, Seward, Smith, Sumner, Trego, Wabaunsee.

SPURGE (*Euphorbia hexagona.*)

Ellsworth, Greeley, Hodgeman, Ness, Ottawa, Pawnee, Pottawatomie, Riley, Russell, Stevens, Wallace.

SPURGE (*Euphorbia maculata.*)

Barber. Bourbon, Butler, Cherokee, Clay, Edwards, Greenwood, Harper, Hodgeman, Johnson, Lincoln, Linn, Lyon, Marion, McPherson, Miami, Morris, Ottawa, Pawnee, Pottawatomie, Reno, Riley, Shawnee, Sumner, Trego, Wabaunsee.

SNOW-ON-THE-MOUNTAIN (*Euphorbia marginata*)

Barber, Barton, Butler, Chase, Clay, Decatur, Ellis, Ellsworth, Finney, Ford, Gove, Grant, Greeley Greenwood, Hamilton, Haskell, Hedge-man, Kingman, Lane, Lincoln, Logan, Marion, McPherson, Morris, Morton, Ness, Ottawa, Pawnee, Republic, Rice, Riley, Rush, Russell, Saline, Scott, Seward, Shawnee, Stanton, Stevens, Sumner, Trego, Wabaunsee, Wallace, Wichita.

SPURGE (*Euphorbia Preslii*)

Barber, Barton, Bourbon, Butler, Douglas, Geary, Greeley, Hamilton, Hodgeman, Jackson, Johnson, Lane, Linn, Marion, McPherson, Miami, Morris, Ottawa, Pawnee, Riley Rooks, Rush, Saline, Sedgwick, Shawnee, Sumner, Wabaunsee.

CROTON (*Croton Texensis.*)

Barber, Barton, Decatur, Ellis, Finney, Ford, Gove, Grant, Greeley, Hamilton, Harper Haskell, Hodgeman, Kiowa, Lane, Lincoln, Logan, Meade, Morton, Ness, Osborne, Pawnee, Rawlins, Republic, Rice, Riley, Russell, Scott, Seward, Smith, Stanton, Stevens, Sumner, Trego, Wichita, Wallace.

THREE-SEEDED MERCURY (*Acalypha Caroliniana.*)

Ellsworth, Riley

ERIOCHLOA (*Eriochloa punctata.*)

Barber, Barton, Finney, Haskell, Hodgeman, Marion, McPherson, Rice, Sedgwick.

WITCH GRASS, TICKLE GRASS (*Panicum capillare.*)

Barber, Barton, Butler, Clay, Decatur, Ellis, Finney, Ford, Gove, Grant, Greeley, Hamilton, Harper, Haskell, Hodgeman, Jackson, Kiowa, Lane, Lincoln, Linn, Logan, Marion, McPherson, Morris, Osborne, Pawnee, Pottawatomie, Reno, Riley, Rush, Russell, Scott, Sedgwick, Seward, Stanton, Stevens, Sumner, Trego.

BARNYARD GRASS (*Panicum Crus-galli.*)

Barber, Barton, Butler, Clay, Crawford, Decatur, Ellis, Finney, Ford, Greeley, Greenwood, Hamilton, Haskell, Hodgeman, Jackson, Johnson, Kiowa, Lane, Lincoln, Linn, Logan, Marion, McPherson, Montgomery, Meade, Miami, Morris, Morton, Ness, Pawnee, Pottawatomie, Reno, Rice, Riley, Rush, Russell, Saline, Scott, Seward, Shawnee, Stanton, Smith, Stevens, Sumner, Wabaunsee, Wallace, Wichita.

CRAB GRASS (*Panicum glabrum.*)

Greenwood, Pottawatomie, Riley.

PANIC GRASS (*Panicum proliferum.*)

Barton, Cherokee, Finney, Greenwood, Lane, Lincoln, Marion, McPherson, Nemaha, Ottawa, Pawnee, Reno, Rice, Riley, Rooks, Russell, Saline, Wabaunsee.

CRAB GRASS (*Panicum sanguinale.*)

Barber, Barton, Bourbon, Butler, Cherokee, Ellis, Harper, Haskell, Jackson, Johnson, Lincoln, Linn, Lyon, Marion, McPherson, Miami, Morris, Pottawatomie, Rice, Riley, Saline, Sumner.

YELLOW FOXTAIL (*Setaria glauca.*)

Barber, Bourbon, Chase, Clay, Decatur, Ellis, Greeley, Greenwood, Haskell, Johnson, Lane, Lincoln, Linn, Marshall, Marion, McPherson, Miami, Ottawa, Pottawatomie, Reno, Rice, Riley, Saline, Shawnee, Smith, Sumner, Wabaunsee, Wichita.

GREEN FOXTAIL (*Seteria viridis.*)

Barton, Bourbon, Butler, Douglas, Finney, Ford, Greeley, Hamilton, Harper, Haskell, Hodgeman, Jackson, Johnson, Lincoln, Logan, Lyon, Marion, McPherson, Pawnee, Pottawatomie, Rice, Riley, Rooks, Rush, Russell, Saline, Scott, Shawnee, Smith, Trego, Wabaunsee, Wallace.

SANDBUR (*Cenchrus tribuloides.*)

Barber, Butler, Finney, Grant, Greeley, Greenwood, Harper, Hodgeman, Lane, Lincoln, Logan, Marion, McPherson, Morton, Pottawatomie, Reno, Rice, Riley, Rush, Russell, Saline, Scott, Seward, Stanton, Stevens, Sumner, Trego, Wabaunsee.

SPEAR GRASS (*Aristida purpurea.*)

Barber, Clark, Decatur, Ellis, Ellsworth, Finney, Ford, Gove, Grant, Hamilton, Haskell, Hodgeman, Kiowa, Lane, Lincoln, Meade, Morton, Ness, Norton, Ottawa, Pawnee, Reno, Rice, Rooks, Rush, Russell, Saline, Seward, Sherman, Smith, Stanton, Stevens, Trego.

DROPSEED GRASS (*Sporobolus cryptandrus.*)

Barber, Barton, Butler, Ellis, Ellsworth, Finney, Ford, Gove, Grant, Greeley, Greenwood, Hamilton, Hodgeman, Lane, Lincoln, Logan, Morris, Morton, Pawnee, Pottawatomie, Riley, Rooks, Russell, Saline, Scott, Seward, Sherman, Stafford, Stanton, Stevens, Sumner, Trego.

FALSE BUFFALO GRASS (*Munroa squarrosa.*)

Barber, Ellis, Ellsworth, Finney, Gove, Grant, Greeley, Hamilton, Haskell, Hodgeman, Lane, Logan, Meade, Morton, Ness, Rooks, Scott, Sherman, Stanton, Stevens, Wallace, Wichita.

STINK GRASS (*Erograstis major.*)

Barber, Barton, Bourbon, Butler, Clay, Decatur, Douglas, Finney, Ford, Grant, Greeley, Hamilton, Harper, Haskell, Hodgeman, Johnson, Lane, Lincoln, Linn, Logan, Marion, Marshall, McPherson, Miami, Morris, Ness, Pawnee, Pottawatomie, Reno, Rice, Riley, Rush, Russell, Saline, Scott, Seward, Shawnee, Smith, Stanton, Stevens, Sumner, Trego, Wabaunsee, Wallace, Wichita.

TUMBLE GRASS (*Erograstis pectinacea.*)

Barton, Crawford, Jackson, Johnson, Labette, Lincoln, Marion, Morris, Marshall, Rice, Riley, Saline.

CHESS, CHEAT (*Bromus secalinus.*)

Ford, Johnson, Linn, Marshall, McPherson, Miami, Reno, Republic, Riley, Saline, Sumner.

WILD BARLEY (*Hordeum pratense.*)

Clay, Crawford, Cowley, Decatur, Ford, Hamilton, Jackson, Johnson, Lincoln, McPherson, Reno, Republic, Riley, Russell, Sedgwick, Seward, Sumner, Stanton, Wallace.

SQUIRREL TAIL GRASS (*Hordeum jubatum.*)

Barber, Clay, Decatur, Ellis, Ellsworth, Ford, Grant, McPherson, Meade, Republic, Riley, Seward, Shawnee, Sherman, Trego, Wabaunsee.

RYE GRASS (*Elymus Sitanion.*)

Decatur, Ellis, Gove, Grant, Greeley, Haskell, Hodgeman, Logan, Meade, Morton, Ness, Republic, Seward, sherman, stanton, Stevens, Trego, Wallace, Wichita.

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This report should be returned in a letter to **BOTANICAL DEPARTMENT, EXPERIMENT STATION, MANHATTAN, KANSAS.** The plants, each with a number corresponding to this report, should be sent in a separate package by mail to the same address.

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