

AmpliFund

San Juan River Camelthorn and Russian Knapweed Control

Prepared by San Juan County
for Utah Department of Agriculture and Food FY 2022 Invasive Species Mitigation

Primary Contact: Frank Smith

Opportunity Details

Opportunity Information

Title

FY 2022 Invasive Species Mitigation

Description

The Utah Department of Agriculture and Food (UDAF) is now accepting Invasive Species Mitigation Weed Control Grant Applications for the 2021-22 season. The goal of this program is to allocate funds to projects which have management strategies with a high degree of potential success in the State of Utah.

Eligible Activities:

- Early detection and rapid response
- Treating critical acres that protect larger land use areas
- Monitoring and preventing the spread of small populations and new introductions
- Monitoring and rehabilitating established infestations
- Research related to invasive species

Awarding Agency Name

Utah Department of Agriculture and Food

Agency Contact Name

Aaron Eagar

Agency Contact Phone

(801) 602-1961

Agency Contact Email

aeagar@utah.gov

Fund Activity Category

Agriculture

Opportunity Manager

Aaron Eagar

Assistance Listings Number

Public Link

<https://www.gotomygrants.com/Public/Opportunities/Details/8a5deb34-3629-4f33-b05d-a053ae88af44>

Funding Information

Total Program Funding

\$0.00

Award Information

Award Range

\$1,000.00 - \$125,000.00

Award Period

07/01/2021 - 06/30/2022

Award Type

Competitive

Indirect Costs Allowed

Yes

Indirect Cost Description

Your administration / Indirect costs cannot exceed a total of 10% of your total project budget. Any grant application with a higher administration cost of 10% will not be accepted.

Indirect Cost Rate

10.00 %

Matching Requirement

No

Submission Information

Submission Window

12/17/2020 12:00 AM - 02/26/2021 5:00 PM

Submission Timeline Type

One-Time

Submission Timeline Additional Information

We will accept applications up the close of business day at 5:00PM

Allow Multiple Applications

Yes

Application Review Start Date / Pre-Qualification Deadline

02/26/2021 12:00 AM

Other Submission Requirements

Only complete applications will be moved to the ranking committee for project ranking. As part of UDAF's dedication to excellence, each grant application will be reviewed for completeness. Any applications which are incomplete will not be considered for ranking and funding. All applications will require a Utah Spatial Invasive Infestation Project Analysis (SIIPA) included. If you are not familiar with the Utah SIIPA, please contact program manager.

Question Submission Information

Question Submission Open Date

12/14/2020 8:00 AM

Question Submission Close Date

02/26/2021 5:00 PM

Question Submission Email Address

aeagar@utah.gov

Question Submission Additional Information

Your project will require a Utah SIIPA geodatabase file, SIIPA project Map, and a SIIPA project report. If you are not familiar with the Utah SIIPA platform you can download the training guide below. Once you have gone through the guide if you need further assistance you can contact technical support for assistance.

Attachments

- SIIPA ISM training Guide

Eligibility Information

Eligibility Type

Public

Additional Eligibility Information

Universities; Cooperative Weed Management Areas (CWMA's); County Weed Boards; Federal or State Agencies; Federal, State, Tribal or Private Landowners; Conservation Districts, nonprofits, and/or other Political Subdivisions.

Additional Information

Additional Information URL

https://ag.utah.gov/wp-content/uploads/2019/12/Utah_SIIPA_Guide.pdf

Additional Information URL Description

This is a link to the Utah SIIPA training guide.

Project Information

Application Information

Application Name

San Juan River Camelthorn and Russian Knapweed Control

Award Requested

\$58,000.00

Total Award Budget

\$58,000.00

Primary Contact Information

Name

Frank Smith

Email Address

fsmith@sanjuancounty.org

Address

PO BOX 9, 117 S. Main Street
Monticello, Utah 84535

Phone Number

435-419-0034

Project Description

Utah SIIPA Modeling Tool

SIIPA Requirements for the UDAF Grant Application

In order to be considered for ISM funding you will be required to create a Utah SIIPA model of your project area.

If you have not created a SIIPA for your project, you should save at this point and do it before filling out the rest of the grant application.

The information from your SIIPA Project Report will be needed in order to complete your application.

Once you have built your project in the Utah SIIPA, you will be asked to save the following three files.

- 1- Print Map of your project and save as a PDF file.
- 2- Run report and save the report as a PDF file.
- 3- Download file (zipped Geodatabase file of your project).

Email the zipped Geodatabase file to bduncan@Utah.gov

Use the upload buttons below to provide the PDF map of your project and the PDF Project Report.

Upload SIIPA Project Report

SIIPA San Juan River 2021 Report

Upload SIIPA Project Map

SIIPA San Juan River 2021 Map- Bluff Area

Restoration Activities Information

UDAF Grant Applications with restoration activities that include seed

In order to be considered for ISM funding you are required to provide a seed mix profile along with a map of where the seeding will take place on your project.

Upload Seed Mix

Upload Map of Restoration area

Applicant Information

Organization Information

Please list the name of the Organization applying for these State funds

San Juan County Weed Board

Does your Organization have a Utah Vendor Number

No

What type of Organization are you (Please choose for the list below)

County Weed Board

Project Manager Contact Information

(Project Manager) First Name

Frank

(Project Manager) Last Name

Smith

Mailing Address

PO BOX 9, 117 S. Main St.

City

Monticello

State

Utah

Zip Code

84535

Telephone Number (XXX) XXX-XXXX

(435) 419-0034

Cell Phone Number (XXX) XXX-XXXX

(435) 419-0034

Email Address

fsmith@sanjuancounty.org

Financial Agent Information

Please list the name of the Fiscal Organization responsible for holding the contract for this project

Castleland RC&D

(Fiscal Contact) First Name

Julie

(Fiscal Contact) Last Name

Weber

Mailing Address

PO BOX 1114

City

Castle Dale

State

Utah

Zip Code

84513

Telephone (XXX) XXX-XXXX

(435) 381-2300

Cell Phone (XXX) XXX-XXXX

(435) 749-2975

Email Address

julieweber@utah.gov

Project Information

Project Name / Project Description / Project Location

For the project name, please provide a descriptive name which incorporates the organization, the location, and the species in the name is preferred.

Some examples of project names would be:

Cache County Goatsrue mitigation west

Tooele County Yellow Starthistle Vernon treatment

Park City Corporation Vipers bugloss Virginia Mine restoration

Virgin City Scotch thistle Peterson property treatment

Please list the name of your Project

San Juan River Camelthorn and Russian Knapweed Mitigation

For the project location, it should include a general location of your project at a more detailed level than which County your project is in.

Example:

Project is located in Utah County at the Boy Scout camp in Payson Canyon. The Boy Scout camp is located about 8 miles up the canyon and is called Camp Maple Dell. The project incorporates the main scout camp along with known trails which lead up to the Payson lakes campground.

Please give a description of your project location

Project is located in Southern San Juan County in the riparian zone along the North shore of the San Juan River from Montezuma Creek to Mexican Hat.

Project is located in which County. If your project covers multiple Counties hold down CTRL and make multiple selections

San Juan

Primary and Secondary Treatment Species

The Primary and Secondary Treatment Species should be the species with the highest frequency of treatment within your project.

Please pay attention to the following details:

Your Primary and Secondary Treatment species should be relational to your *budget* and your *treatments*.

The Utah SIIPA will evaluate all species within your project area and define a ranking score from your overall project.

Defining your Primary and Secondary Treatment species helps to outline your treatment timing, chemical profile, and treatment methods.

You can review your project species specifics from your Utah SIIPA Project Report. Look under the heading "Species" to see the breakout of your project.

Please select which Species is the Primary Target for treatment in your Project area.

Camelthorn ▼

Please select which Species is the Secondary Target for treatment in your Project area.

Russian Knapweed ▼

Primary / Secondary Treatment Species Acres

The Primary and Secondary Treatment Acres should be reflective in your total acres listed in your Utah SIIPA Report.

Please pay attention to the following details:

Your Primary and Secondary Treatment Acres should be relational to your budget and your treatments.

Your Primary and Secondary Treatment Acres should be calculated from your Project SIIPA Report.

If the Project SIIPA Report Acres is not a good representation of your project, you will need to explain why in the project description.

You can review your project species specifics from your Utah SIIPA Project Report. Look under the heading "Species" to see the breakout of your project.

Please list the Primary Treatment Species Acres From SIIPA Report. You can find this under the section called "Species" and find your species in the table.

409

Please list the Secondary Target Species Acres From SIIPA Report. You can find this under the section called "Species" and find your species in the table.

288

Please list all other Species of concern within your Project area.

Hoary Cress, Field Bindweed, Giant Reed, Russian Olive and Tamarisk

Project Description

Please provide a detailed description of your proposed Project .

Please pay attention to the following details:

Your description should include any history of the project area if necessary.

If your budget does not match (Acres, Species) listed in your SIIPA project report, you will need to explain why in your description.

If your project includes a restoration activity that will disturb soil, identify it in your description and how many acres.

If your project is not being monitored by UDAF explain how you will measure your performance on this project.

Project Description

With this project we will address the ongoing Camelthorn and Russian Knapweed infestation in the riparian zones on the North shore of the San Juan River. This infestation affects many BLM areas along the San Juan River including the Mexican Hat Boat Launch, Mexican Hat Rock River Access, San Juan Hill Historical area and the Sand Island Petroglyph campground area. Private landowner plots along the river are also seeing significant encroachment of Camelthorn and Russian Knapweed into cultivated, developed and grazing lands.

Camelthorn and Russian Knapweed continue to impact the growth of native riparian vegetation due to nutrient competition and the release of allelopathic chemicals that inhibit the growth of native and desirable plant species. Significant cultures of these weeds are known to cause decreased wildlife presence and are unsuitable for domestic animal grazing purposes.

With early spring monitoring we will determine which areas to prioritize for early treatment and develop a treatment plan and spray schedule to best address this years infestation. As several of these sights are remote and inaccessible by full size spray rigs we will rely heavily on the use of our 2 UTV, 110 gallon Kubota spray rigs and our 30 gallon ATV spray rig. We will treat the Camelthorn, Russian Knapweed and other Utah Noxious weeds with the herbicides Opensight and Milestone mixed with a non-ionic surfactant and oil based adjuvant. Other herbicides may be used as dictated by the types of noxious weeds discovered in the project areas.

Working with the BLM we will address problem areas that they have identified in the Sand Island Campground/ Recreation area. We will also work with the BLM, contractors and landowners to address noxious weed concerns along a newly approved bike trail from Bluff to Sand island, scheduled to be constructed this summer.

Continued control of this infestation will serve to mitigate the further spread of these weeds to the North. This will help to keep Camelthorn and Russian Knapweed out of the towns of Bluff and Mexican Hat and will help provide a more natural environment for those seeking recreation at the various points of interest along the San Juan River.

Project Land Ownership and Partners

Land Ownership

Please list all land ownership acres.

You will find the acres broken out into land ownership in the SIIPA report under the section called "Acreage Report".

Please list all Federal Land (Acres) From SIIPA Report.

1391

Please list all Private Land (Acres) From SIIPA Report.

851

Please list all State Land (Acres) From SIIPA Report.

6

Primary Treatment Species Acres

Please list the acres for each land ownership for your Primary Treatment Species.

You will find the acres broken out into land ownership in the SIIPA report under the section called "Species".

Primary Treatment Species Acres (Federal Land) From SIIPA Report.

56

Primary Treatment Species Acres (Private Land) From SIIPA Report.

337

Primary Treatment Species Acres (State Land) From SIIPA Report.

0

Secondary Treatment Species Acres

Please list the acres for each land ownership for your Secondary Treatment Species.

You will find the acres broken out into land ownership in the SIIPA report under the section called "Species".

Secondary Treatment Species Acres (Federal Land) From SIIPA Report.

42

Secondary Treatment Species Acres (Private Land) From SIIPA Report.

226

Secondary Treatment Species Acres (State Land) from SIIPA Report.

0

Project Partner Contributions

Please list the Total In-Kind Contributions.

Total dollar amount for Private Contributions of In-Kind

\$5,000.00

Total dollar amount for State and local Government Contributions of In-Kind

\$5,000.00

Please list the Total Monetary Contributions

Total dollar amount for Private Monetary Contributions

Total dollar amount for State and local Government Monetary Contributions

\$5,000.00

Total dollar amount for Federal Monetary Contributions

\$13,000.00

Please list the dollar amount of the Total In-Kind Contributions

\$10,000.00

Please list the dollar amount of the Total Monetary Contributions

\$13,000.00

Please provide a complete list of Partners who are providing either In-kind value or Monetary value to your Project. Do not list partners who are not adding value to the project. You can upload a list of partners who support your project as additional information. If you list a partner here, you should have accounted for either In-Kind or Monetary contribution above.

United States Bureau of Land Management

San Juan County

City of Bluff

Guymon Ranch, Inc.

Budget

Proposed Budget Summary

Expense Budget

	Grant Funded	Total Budgeted
Personnel		
County Weed Department Crew	\$10,000.00	\$10,000.00
Subtotal	\$10,000.00	\$10,000.00
Equipment		
San Juan County Spray Equipment	\$13,000.00	\$13,000.00
Subtotal	\$13,000.00	\$13,000.00
Supplies		
Safety Equipment, PPE, Fuel, Maintenance	\$1,000.00	\$1,000.00
Subtotal	\$1,000.00	\$1,000.00
Chemicals		
Wilbur-Ellis Chemical Purchase	\$30,000.00	\$30,000.00
Subtotal	\$30,000.00	\$30,000.00
Indirect		
Fiscal Agent Administration	\$4,000.00	\$4,000.00
Subtotal	\$4,000.00	\$4,000.00
Total Proposed Cost	\$58,000.00	\$58,000.00

Revenue Budget

	Grant Funded	Total Budgeted
Grant Funding		
Award Requested	\$58,000.00	\$58,000.00
Subtotal	\$58,000.00	\$58,000.00
Total Proposed Revenue	\$58,000.00	\$58,000.00

Proposed Budget Detail

See attached spreadsheet.

Proposed Budget Narrative

Equipment

Please list the total dollar amount of equipment you are asking from the ISM program. Items can include: Spray tank for ATV or UTV. Individual Items in this category cannot exceed \$5,000.00. If you are requesting the ISM to purchase an item that is in excess of \$5,000.00 you will need to include it in the budget category of "Other" and provide a justification for the Item.

San Juan County Spray Equipment

Use of a variety of county owned spray equipment including Trucks, UTV's, ATV's and transport trailers.

Chemicals

Please list the total dollar amount of Herbicide, Surfactant, and Fertilizer you are asking from the ISM program.

Wilbur-Ellis Chemical Purchase

Purchase of herbicides, surfactants, adjuvants and marking dyes from Wilbur-Ellis Company.

Performance Plan

Proposed Performance Plan

Chemical Treatment - Spot Treatment

Goal Name	Goal Type	Goal Details
Spot Treatment With Spray Rig	Numeric	Number to be Achieved 300

Chemical Treatment - Boom Treatment

Goal Name	Goal Type	Goal Details
Area Treatment with Boom Spraying Rig	Numeric	Number to be Achieved 400

Invasive Species Mapping - New Infestations

Goal Name	Goal Type	Goal Details
EDD Mapping of New Infestation of Target Species	Numeric	Number to be Achieved 1,500

Invasive Species Mapping - Revisits

Goal Name	Goal Type	Goal Details
Revisit of Previously EDD Mapped weed Infestations	Numeric	Number to be Achieved 700

Chemical Treatment - Hand Treatment

Goal Name	Goal Type	Goal Details
Chemical Spot Treatment using Backpack Sprayers	Numeric	Number to be Achieved 3

Proposed Performance Narrative

Chemical Treatment - Spot Treatment

Please define your treatment plan. You should include the following information: -Acres treated under this activity (Type this in "Number to be Achieved") -Projected timing of this activity (which month with this activity happen)

Spot Treatment With Spray Rig

Spot Treatment with Spray Rig

Spot treatment of target weeds with vehicle mounted powered spray systems. This will occur from June to September, 2021.

Chemical Treatment - Boom Treatment

Please define your treatment plan. You should include the following information: -Acres treated under this activity (Type this in "Number to be Achieved") -Projected timing of this activity (which month with this activity happen) -Which equipment you will be using (ATV or Truck)

Area Treatment with Boom Spraying Rig

Boom spraying of dense areas of the target weeds using vehicle mounted, powered sprayers. This spraying will occur from June to September, 2021.

Invasive Species Mapping - New Infestations

Please define your Mapping plan. You should include the following information: -Number of Acres you will Mapping under this activity (Type this in "Number to be Achieved") -Projected timing of this activity (which month with this activity happen) -List the target species you will be mapping for this activity

EDD Mapping of New Infestation of Target Species

From April to late September 2021 we will continue to map any new infestations in the project area. While our primary weeds of concern are Camelthorn and Russian Knapweed we will map any Utah State Noxious weeds present.

Invasive Species Mapping - Revisits

Please define your Revisit Mapping plan. You should include the following information: -Number of Acres you will Revisit under this activity (Type this in "Number to be Achieved") -Projected timing of this activity (which month with this activity happen) -List the target species you will be mapping for this activity

Revisit of Previously EDD Mapped weed Infestations

From early April to late September We will revisit previous EDD map points and update their status as Treated or Eradicated if they fit these statuses.

Chemical Treatment - Hand Treatment

Please define your treatment plan. You should include the following information: -Acres treated under this activity (Type this in "Number to be Achieved") -Projected timing of this activity (which month with this activity happen) -Which application equipment (Backpack Sprayer, Hand Sprayer)

Chemical Spot Treatment using Backpack Sprayers

Spot treatment of areas within the project area that are unable to be accessed with vehicles and power sprayers. This will occur from mid May to late September, 2021 dependent on weather patterns.