

**Specifications
for Tennessee Wildlife Resource Agency
(TWRA) Woody Vegetation Control on Catoosa WMA
ITB 32801-12695**

This solicitation is for a six (6) month Contract to reduce overspray and removal of desired vegetation. Backpack herbicide crews shall use foliar application methods to apply herbicide on undesirable woody stems or exotic/invasive plants or other unwanted vegetation in the specified units on Catoosa WMA.

A. General Information

1. The crew shall contain a minimum of twenty (20) people.
2. TWRA will provide the chemicals.
3. Bid shall be all-inclusive based on cost to spray per acre.
4. Acreage is a rough estimate and could be more or less than described based on seasonal growth.

B. Location and Acres (722 total acres)

1. Catoosa WMA is located in Cumberland County, Tennessee. All treated blocks are located directly adjacent to one another and range in size from thirty (30) acres to 257 acres.
2. The terrain is best described as flat to rolling.
3. Vegetative density and composition vary across blocks. Some blocks contain high densities/composition of woody vegetation ~6ft tall. Most blocks contain moderate densities/composition of woody vegetation ~3 – 4ft tall.
4. All blocks are surrounded by dirt or gravel roads.
5. The objective of the targeted herbicide application is to remove undesirable woody vegetation in the understory.
6. In some blocks, the contractor shall avoid intentional spraying of planted shortleaf pine (*Pinus echinata*).

C. General Considerations

1. Spraying shall be completed before July 1, 2023, and spraying shall be completed during the most optimal and/or appropriate period of time according to herbicide label and specifications.
2. Contractor shall call point of contact five (5) business days before spraying so that arrangements can be made.
3. The herbicide rate may differ in each unit depending on the species composition. Point of Contact shall provide the mix ratio before spraying shall commence.
4. Contractor shall ensure that no herbicide shall contact unintended vegetation in order to prevent non-target impacts.

5. Contractor shall be familiar with the chemicals and take appropriate safety precautions.

D. Herbicides

1. The herbicide list below is what TWRA plans to use. However, TWRA reserves the right to update the herbicide list if unwanted/unknown vegetation appears or if vendor recommends a better herbicide to apply and TWRA agrees.
 - a. Garlon 3A (triclopyr) plus surfactant which shall be mixed at 32 ounces per acre or 5% solution.
 - b. Glyphosate 41% applied at 3qt/ac or 2% solution.

E. Qualifications

1. Contractor on-site supervisor shall provide proof of certifications or licenses.
 - a. State of TN Commercial Herbicide Applicators Certification. See requirements at <https://www.tn.gov/agriculture/businesses/pesticides/certification.html>.
2. Contractor shall have a minimum of five (5) years of experience of targeted spraying herbicide on projects greater than 300 acres.

F. Site Visit

1. Site visits are strongly encouraged to determine limitations, accessibility, and any special equipment requirements, but are not mandatory.
2. Contractors shall contact TWRA contact to schedule a site visit.
3. Site visits shall be complete by March 29, 2023 if Contractor intends to submit questions or comments. Questions and comments period ends March 30, 2023.
4. TWRA Contact:
 - a. Don Chance
 - b. 931-247-4819
 - c. Don.Chance@tn.gov