

**Forest Stand Improvement Job Sheet**

|                        |                       |                           |                                    |
|------------------------|-----------------------|---------------------------|------------------------------------|
| <b>Operator:</b> _____ | <b>Address:</b> _____ | <b>Phone No(s):</b> _____ | <b>E-mail:</b> _____               |
| _____                  | _____                 | _____                     | _____                              |
| _____                  | _____                 | _____                     | _____                              |
| <b>Section:</b> _____  |                       |                           | <b>Tract/<br/>No. of Ac:</b> _____ |
| <b>Township:</b> _____ |                       | <b>Range:</b> _____       |                                    |

|                             |      |     |     |     |      |       |      |        |                         |  |
|-----------------------------|------|-----|-----|-----|------|-------|------|--------|-------------------------|--|
| <b>Program (Highlight):</b> | ACEP | CRP | CSP | CTA | EQIP | NSWCP | RCPP | Other: | <b>NRD/<br/>County:</b> |  |
|-----------------------------|------|-----|-----|-----|------|-------|------|--------|-------------------------|--|

| Objectives (Highlight all that apply): |                      |                          |  |                            |                                   |                  |
|--|----------------------|--------------------------|--|----------------------------|-----------------------------------|------------------|
| Improve stand density/ structure (TSI) | Improve soil quality | Improve wildlife habitat | Reduce wildfire hazard/improve conditions for safe burning | Reduce pest/disease damage | Restore natural plant communities | Other (specify): |

|  |         |                       |                     |                |                  |   |      |                    |                    |                |                       |
|--|---------|-----------------------|---------------------|----------------|------------------|---|------|--------------------|--------------------|----------------|-----------------------|
| <b>Treatment Method(s) 1/ (Highlight):</b> | Cutting | Girdling/<br>Frilling | Herbicide Treatment | Tree Injection | Basal Bark Spray | <b>Slash Disposal Method (Highlight):</b> | None | Lopped & Scattered | Piled for Wildlife | Piled & Burned | Removed &/or Utilized |
|--|---------|-----------------------|---------------------|----------------|------------------|---|------|--------------------|--------------------|----------------|-----------------------|

1/ Refer to products and labels, etc. in the current "Guide for Weed Management in Nebraska".

| Treatment Schedule (i.e., What treatment; When; By whom): |                |            |                |            |
|---|----------------|------------|----------------|------------|
| Treatment Method  | Date Scheduled | By (Name): | Date Completed | By (Name): |
| Cutting   |                |            |                |            |
| Girdling/Frilling   |                |            |                |            |
| Herbicide Treatment                                       |                |            |                |            |
| Tree Injection  |                |            |                |            |
| BasalBark Spray   |                |            |                |            |

| Treatment: 2/  |         |   |          |          |   |          |          | Comments:  |
|----------------|---------|---|----------|----------|---|----------|----------|--|
| Treatment Unit | Ac/Unit | Existing Basal Area (ft <sup>2</sup> /ac) | Ave. DBH | Trees/Ac | Target Basal Area (ft <sup>2</sup> /ac) | Ave. DBH | Trees/Ac | Note: No destruction of nesting habitat is allowed between April 1 and July 15 as per the Migratory Bird Treaty Act. |
|                |         |   |          |          |   |          |          |  |
|                |         |   |          |          |   |          |          |  |
|                |         |   |          |          |   |          |          |  |
|                |         |   |          |          |   |          |          |  |
|                |         |   |          |          |   |          |          |  |

2/ Basal Area (BA) = the area of a given section of land occupied by the cross-section of tree trunks at their base. Mathematically, BA per Tree = 0.005454 x DBH<sup>2</sup>. BA per Acre = Trees per Ac (TPA) x BA perTree or TPA X 0.005454 x DBH<sup>2</sup>. The result will be ft<sup>2</sup>. DBH refers to a tree's diameter at breast height (about 4.5 ft above base of tree). Thinning Levels for Basal Area Reduction are: Light = 20-30 ft<sup>2</sup>/ac Medium = 30-40 ft<sup>2</sup>/ac Heavy = >40 ft<sup>2</sup>/ac

| Species to Favor: |              |              |              | Comments: |
|-------------------|--------------|--------------|--------------|-----------|
| Species Name      | Species Name | Species Name | Species Name |           |
|                   |              |              |              |           |
|                   |              |              |              |           |
|                   |              |              |              |           |
|                   |              |              |              |           |
|                   |              |              |              |           |

**Detailed Maintenance Requirements: See Forest Stand Improvement Design Procedures (NE666DP)**

**General Maintenance Requirements:**

- Minimize disturbances to the site, i.e., rutting, soil compaction, disturbance to litter layer, etc.
- Facilitate safe and efficient tree removal by control of the treatment method felling direction, timing of the tree cutting.
- Make sure slash, debris, and vegetative material left on the site do not present a fire or pest hazard or interfere with the intended purpose.
- Protect sensitive areas, such as vernal pools, riparian zones, and cultural resources.

**Wildlife Habitat Maintenance Requirements:**

- At least every 10 years monitor sites to determine if retreatment is necessary.
- Consider prescribed burning to encourage herbaceous plant growth.
- Burn only under an approved burn plan from NRCS, the Nebraska Forest Service or the NE Game and Parks Commission.

**4/ Plan Map of Area to be Treated**

4/ Attached is a copy of a computer-generated conservation plan map denoting: layout of proposed treatment areas and acres; planting configuration (i.e., rows, clumps for wildlife, riparian, etc.); field boundaries and numbers, if appropriate; land use designation (i.e., C = cropland, P = pastureland, R = rangeland, F = forest land, etc.); North arrow; and other relevant requirements listed in the NRCS National Planning Procedures Handbook, Part 600.31.

**Comments:**

**\*\*\*Required Check-off Signatures\*\*\***

**Natural Resources Conservation Service (NRCS) Representative or Technical Service Provider (TSP):**

|                         |                                     |  |             |
|-------------------------|-------------------------------------|--|-------------|
| Plan Designed by: _____ |                                     |  | Date: _____ |
| Layout by: _____        |                                     |  | Date: _____ |
| Checked by: _____       |                                     |  | Date: _____ |
| 3/Certified by: _____   | Agency<br>(Name) or<br>Private TSP: |  | Date: _____ |

3/ Plans designed for forestry practices 650-Windbreak/Shelterbelt Renovation and 666-Forest Stand Improvement require approval of a professional forester from NRCS, the Nebraska Forest Service (NFS), a Natural Resources District (NRD), or a TSP.

**Producer's Statement:**

The design of this practice has been discussed with me and I concur in the design. I understand no changes are allowed without the approval of the NRCS Representative or the Technical Service Provider.

|                               |  |  |             |
|-------------------------------|--|--|-------------|
| Signature: _____              |  |  | Date: _____ |
| Print Name of Producer: _____ |  |  |             |