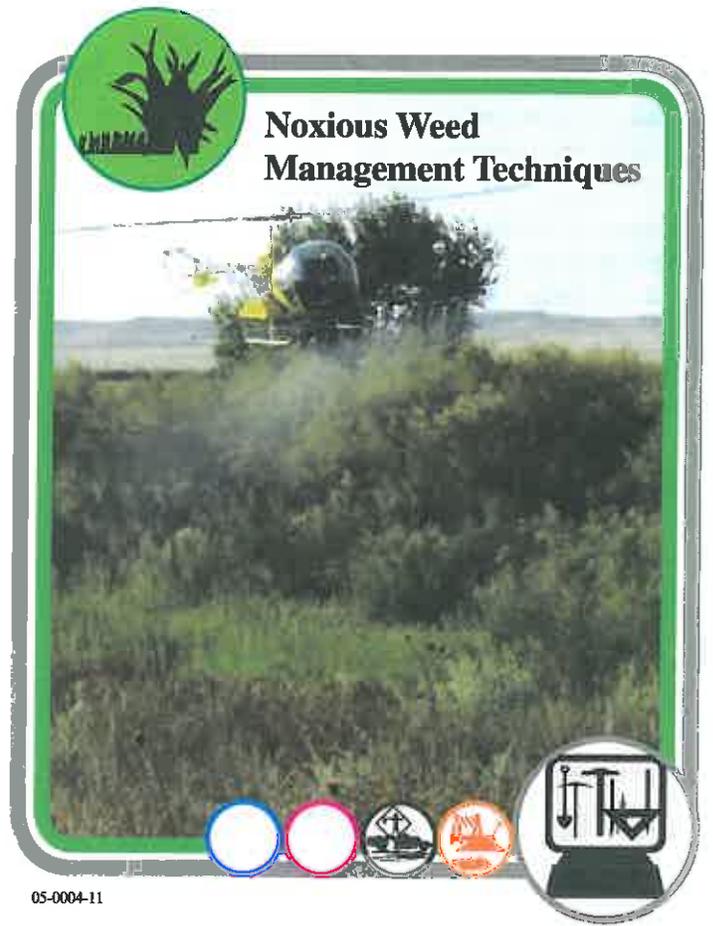


**Noxious Weed Management Techniques**

05-0004-11

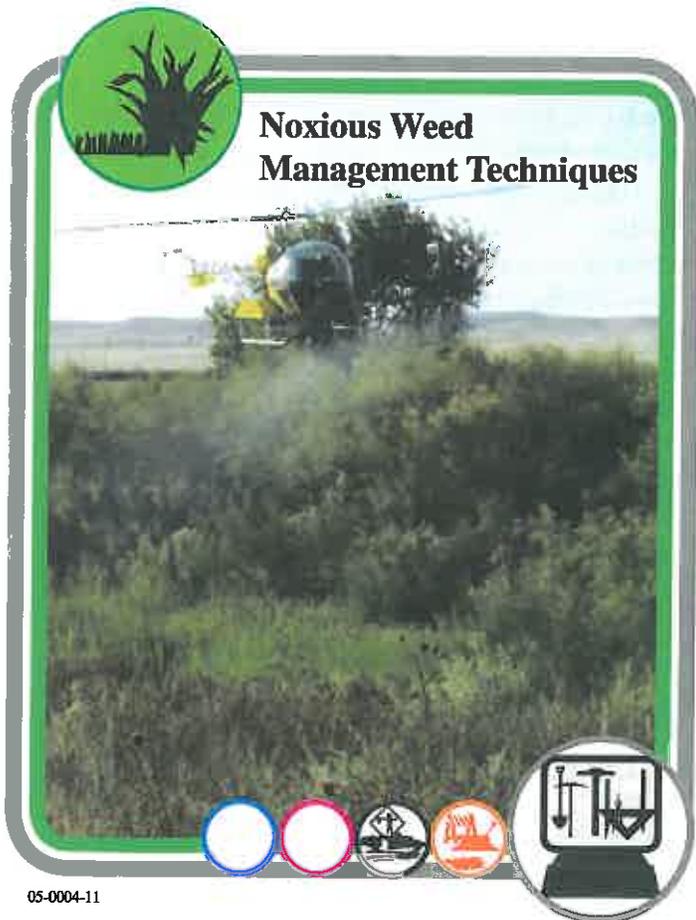
This graphic features a central photograph of a yellow and black agricultural plane flying over a field of green brush, releasing a mist of herbicide. The image is framed by a green border. In the top-left corner, there is a circular icon with a green background and a black silhouette of a weed. At the bottom, there is a row of five circular icons: a blue circle, a pink circle, a white circle with a black silhouette of a boat, an orange circle with a black silhouette of a tractor, and a larger white circle with a black silhouette of a control panel.



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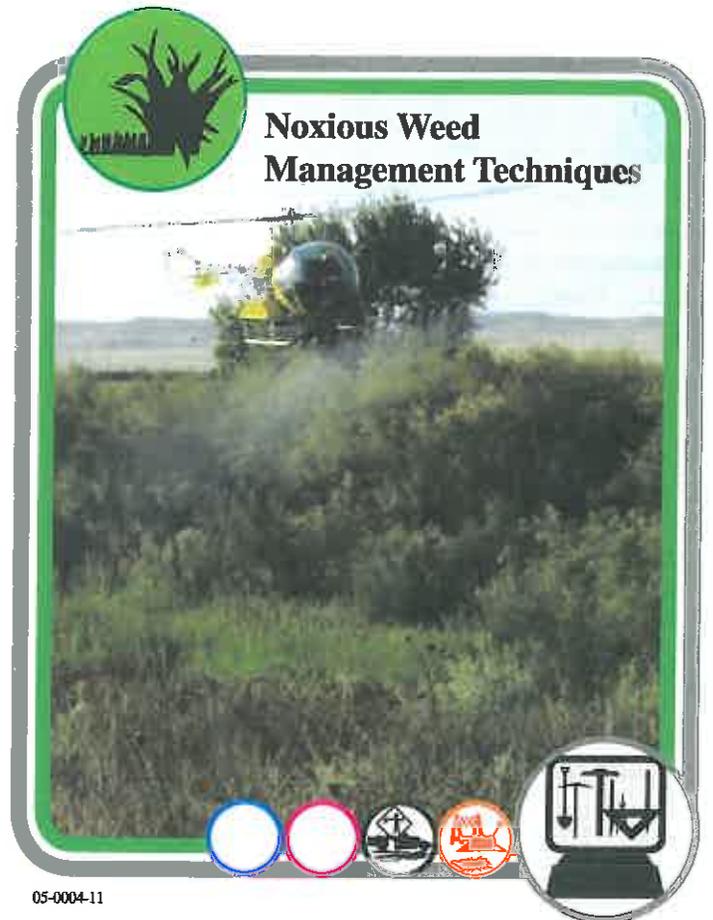
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## **Noxious Weed Management Techniques**

Under the Colorado Noxious Weed Act and other regulatory requirements, the Colorado Department of Transportation is responsible for controlling designated noxious weeds on CDOT right-of-way. Prevention is always a top priority (e.g., minimize soil disturbance; avoid use of contaminated materials or equipment). If noxious weeds do appear, CDOT uses one or more types of control depending on the species involved:

- **Mechanical** – Physical removal by mowing, mulching, tilling, grazing or hand pulling.
- **Cultural** – Enhancement of native plant community using fertility management or re-vegetation with native species.
- **Biological** – Releasing a weed's native natural enemies using insects, grazing animals, or disease.
- **Chemical** – Destroying weeds using herbicides that do not affect the surrounding, desired plant community.

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