



Weed Control Effectiveness Evaluation Checklist

Field Preparation & Initial Assessment

Evaluates pre-treatment conditions and sets a baseline for comparison.

Date of Initial Field Assessment

GPS Coordinates of Assessment Area

 [Set My Current Location](#)



Description of Field History (Crop Rotations, Previous Weed Control Methods)

Write something...

Initial Weed Cover Estimate (%)

Enter a number...

Observed Weed Seedling Emergence (Select all that apply)

- ☐ Uniform
- ☐ Patchy
- ☐ Heavy in rows
- ☐ Light and scattered
- ☐ Other (Specify in LONG_TEXT)

Notes on Soil Conditions (Moisture, Compaction, Organic Matter)

Write something...

Previous Crop in Field

Write something...

Weed Identification & Density

Identifies weed species present and quantifies their abundance.

List of Weed Species Observed

- ☐ Broadleaf Pigweed
- ☐ Common Lambsquarters
- ☐ Velvetleaf
- ☐ Foxtail
- ☐ Crabgrass
- ☐ Johnsongrass
- ☐ Bindweed
- ☐ Other (Specify in LONG_TEXT)

Specify 'Other' Weed Species (if selected)

Write something...

Average Weed Density (Plants/m²)

Enter a number...

Weed Cover (%)

Enter a number...

Number of Quads/Transects Used

Enter a number...

Description of Weed Distribution

Write something...

Dominant Weed Species

- ☐ Species 1 (e.g., Broadleaf Pigweed)
- ☐ Species 2 (e.g., Common Lambsquarters)
- ☐ Species 3 (e.g., Foxtail)
- ☐ Other (Specify in LONG_TEXT)

Specify 'Other' Dominant Species (if selected)

Write something...

Application Details & Records

Documents herbicide application parameters and tracks relevant data.

Application Date

Enter date...

Application Time

Application Method

- ☐ Broadcast
- ☐ Band
- ☐ Spot Treatment
- ☐ Other

Sprayer Type

- ☐ Boom Sprayer
- ☐ Backpack Sprayer
- ☐ Airblast Sprayer
- ☐ Other

Application Rate (product/acre)

Enter a number...

Carrier Volume (gallons/acre)

Enter a number...

Spray Solution Mixing Notes (e.g., adjuvants used, order of addition)

Write something...

Calibration Records (if available)

 Upload File

Product Name(s) Used

Write something...

Post-Application Weed Observation

Observes weed response to treatment over time, noting signs of efficacy or resistance.

Date of Initial Post-Application Observation

Enter date...

Percentage of Weed Control Observed (0-100)

Enter a number...

Detailed Description of Weed Response (e.g., curling, chlorosis, necrosis)

Write something...

Observed Weed Symptoms

- ☐ Curling
- ☐ Chlorosis
- ☐ Necrosis
- ☐ Stunted Growth
- ☐ No Visible Response
- ☐ Other (Specify in Long Text)

Average Weed Height Reduction (inches)

Enter a number...

Notes on any unusual weed behavior or suspected resistance

Write something...

Upload Photos of Weed Response (pre/post)

 Upload File

Severity of Weed Infestation at Observation

- ☐ Light
- ☐ Moderate
- ☐ Heavy

Crop Health & Impact Assessment

Evaluates the impact of weed control on crop health and yield potential.

Crop Stand Count (Plants/Area)

Enter a number...

Average Plant Height (cm)

Enter a number...

Biomass (Dry Weight - g/plant or kg/ha)

Enter a number...

Visible Crop Stress (e.g., stunting, chlorosis, necrosis)

- ☐ None
- ☐ Slight
- ☐ Moderate
- ☐ Severe

Detailed Observations on Crop Health

Write something...

Overall Crop Vigor

- ☐ Excellent
- ☐ Good
- ☐ Fair
- ☐ Poor

Estimated Yield Impact (%)

Enter a number...

Describe any observed nutrient deficiencies or disease exacerbated by weed competition.

Write something...

Data Analysis & Reporting

Summarizes findings and assesses the overall effectiveness of the weed control strategy.

Overall Weed Control Efficacy Score (0-100)

Enter a number...

Dominant Weed Species Response

- ☐ Highly Susceptible
- ☐ Moderately Susceptible
- ☐ Resistant
- ☐ Unknown

Detailed Narrative of Observations & Trends

Write something...


Factors Potentially Affecting Efficacy (Select all that apply)

- ☐ Weather Conditions (Rainfall, Temperature)
- ☐ Herbicide Application Timing
- ☐ Soil Moisture
- ☐ Weed Stage of Growth
- ☐ Herbicide Rate
- ☐ Application Technique

Date of Final Evaluation

Enter date...

Supporting Photos or Video (Optional)

 Upload File

Recommendations for Future Control Strategies

Write something...

Overall Assessment of Weed Control Program

- ☐ Highly Effective
- ☐ Effective
- ☐ Marginally Effective
- ☐ Ineffective