

SCI SHMP-Level Assessment Score Card

SHMP # _____

Field ID/Name: _____

SHMP ID: _____

Crop/System: _____

Soil Conditions Today: [] Dry [] Moist [] Field Capacity [] Wet

Current Growth Stage: _____

Pillar 1: Soil Disturbance

Soil Structure Score (1-5): _____ Notes: _____

Compaction Score (1-5): _____ Notes: _____

Average Penetration Depth at 300 PSI: _____ inches

Aggregate Stability Score (1-5): _____ Notes: _____

Slake Test Results:

- Location 1 time to complete slaking: _____ minutes
- Location 2 time to complete slaking: _____ minutes

Water Infiltration Score (1-5): _____ Notes: _____

Water Infiltration Results:

- Site A: Test 1: _____ minutes, Test 2: _____ minutes (if applicable)
- Site B: Test 1: _____ minutes, Test 2: _____ minutes (if applicable)
- Average Time: _____ minutes

Assessment Discussion:

- Evidence of tillage impact: _____
- Traffic pattern effectiveness: _____
- Compaction concerns: _____
- Planned tillage reduction strategies: _____

Additional Notes:

Pillar 2: Living Roots

Active Root System Score (1-5): _____ Notes: _____

Photosynthetic Coverage Score (1-5): _____ Notes: _____

Cover Crop Contribution Score (1-5): _____ Notes: _____

Coverage Types Present:

- ☐ Crop residue
- ☐ Cover crop residue
- ☐ Mulch
- ☐ Early plantings
- ☐ Living weeds
- ☐ Other: _____

Coverage Quality Indicators:

- Residue distribution: [] Even [] Patchy [] Concentrated in areas
- Coverage thickness: [] Thin layer [] Moderate [] Thick protective layer
- Coverage stability: [] Easily moved by wind [] Moderate stability [] Well anchored
- Residue decomposition: [] Excessive oxidation (white/bleached appearance) [] Normal breakdown [] Active decomposition with soil incorporation

Assessment Discussion:

- Active root health observations: _____
- Root-soil interaction evidence: _____
- Current photosynthetic activity distribution: _____
- Planned timeline for continuous root coverage: _____
- Root density improvements from management changes: _____

Additional Notes:

Pillar 3: Soil Coverage

Soil Coverage Bare Soil % Score (1-5): _____ Notes: _____

Coverage Effectiveness Score (1-5): _____ Notes: _____

Coverage Types Present:

- ☐ Crop residue
- ☐ Cover crop residue
- ☐ Mulch
- ☐ Early plantings
- ☐ Living weeds
- ☐ Other: _____

Assessment Discussion:

- Bare soil areas and causes: _____
- Coverage effectiveness by type: _____
- Planned coverage improvements: _____
- Seasonal coverage management strategy: _____

Additional Notes:

Pillar 4: Biodiversity

A. Field Biodiversity Observation

Observed Biodiversity Elements:

- Cover crop diversity (list species seen): _____
- Beneficial insects present (list species seen): _____
- Wildlife evidence (tracks, nests, physically present, etc.)
 - (list species seen): _____
- Diverse plant functional groups for season:
 - (list what groups seen) _____
- Other: _____

Biodiversity Field Biodiversity Score (1-5): _____ Notes: _____

B. Worm Count Integration

Direct Count: _____ worms per 12" x 12" x 12" sample

- ☐ Live worms present
- ☐ Worm channels/burrows visible (count: _____)
- ☐ Fresh worm castings observed
- ☐ Old worm castings present
- ☐ No worm evidence

Combined Biological Activity Score (1-5): _____ Notes: _____

Assessment Discussion:

- Most active biodiversity areas: _____
- Wildlife and beneficial insect observations: _____
- Crop/cover diversity performance: _____
- Action elements showing early success: _____
- Planned improvements and timeline: _____

Additional Notes: