



# Planting Depth Accuracy Checklist

## Pre-Planting Assessment & Planning

Initial checks and planning to ensure accurate planting depth is considered from the beginning.

### Review Crop Plan for Depth Recommendations

- ☐ Yes, reviewed and documented
- ☐ Yes, reviewed but not documented
- ☐ No, not reviewed

### Target Planting Depth (inches)

### Soil Map Available for Planting Area?

- ☐ Yes
- ☐ No

### Notes on Potential Soil Variability

### Seed Size (mm)

Enter a number...

### Known Soil Compaction Issues?

- ☐ Yes
- ☐ No
- ☐ Unknown

## Equipment Calibration & Setup

Ensuring planting equipment is correctly calibrated and adjusted for optimal depth control.

### Planter Depth Setting (inches)

Enter a number...

### Target Depth (inches) - Based on Seed Type

Enter a number...

### Unit of Measurement

- ☐ Inches
- ☐ Centimeters

### Row Spacing (inches)

Enter a number...

## Notes on Adjustments Made to Depth Control System

Write something...

### Furrow Opener Type

- ☐ Disc
- ☐ Spade
- ☐ Knife
- ☐ Other

### Gauge Wheel Pressure (PSI)

Enter a number...

## Soil Conditions & Considerations

Acknowledging how soil type, moisture, and compaction influence planting depth requirements.

### Soil Type Predominance?

- ☐ Sandy
- ☐ Loamy
- ☐ Clay
- ☐ Silty
- ☐ Mixed

### Soil Moisture Level (Scale of 1-10, 1=Dry, 10=Saturated)

Enter a number...

**Describe any observed soil compaction issues.**

Write something...

**Soil Drainage Characteristics?**

- ☐ Good
- ☐ Moderate
- ☐ Poor

**Soil Bulk Density (g/cm<sup>3</sup>)**

Enter a number...

**Any visible signs of erosion or runoff?**

Write something...

## Seed Type Specifics

Addressing how different seed types have varying ideal planting depths.

**Select Seed Type:**

- ☐ Corn
- ☐ Soybeans
- ☐ Wheat
- ☐ Peas
- ☐ Cotton
- ☐ Other

### Reference Seed Variety Information:

- ☐ Vendor Recommendations
- ☐ Extension Office Guides
- ☐ Personal Experience
- ☐ Other

### Recommended Planting Depth (inches):

Enter a number...

### Note any specific variety recommendations for planting depth:

Write something...

### Is this a new variety being planted?

- ☐ Yes
- ☐ No

### Adjusted Planting Depth (inches - if applicable):

Enter a number...

### Reason for Depth Adjustment (if applicable):

Write something...

## Depth Verification During Planting

Real-time checks during the planting process to confirm depth accuracy.

**Planting Depth (inches)**

Enter a number...

**Depth Measurement Method**

- ☐ Visual Estimation
- ☐ Depth Gauge
- ☐ GPS/Sensor Data

**Number of Test Depths Checked**

Enter a number...

**Depth Consistency**

- ☐ Consistent
- ☐ Slight Variation
- ☐ Significant Variation

**Notes on Depth Variation (if applicable)**

Write something...

**Average Deviation from Target Depth (inches)**

Enter a number...

**Post-Planting Observation & Adjustment**

Evaluating seedling emergence and adjusting planting depth for subsequent runs if needed.

### Days After Planting (DAP) for Initial Emergence Observation

Enter a number...

### Emergence Rate (Overall)

- ☐ Excellent (90%+)
- ☐ Good (70-89%)
- ☐ Fair (50-69%)
- ☐ Poor (Below 50%)

### Percentage of Seedlings Exhibiting 'Deep Planting' Symptoms (e.g., Leggy Stems)

Enter a number...

### Describe any noticeable emergence abnormalities observed.

Write something...

### Overall Assessment of Planting Depth Outcome

- ☐ Optimal
- ☐ Needs Slight Adjustment
- ☐ Requires Significant Adjustment
- ☐ Unacceptable - Rework Needed

**Adjustment Made to Planting Depth (in inches/mm)**

Enter a number...

**Date of Adjustment**

Enter date...

**Describe adjustments made to planting equipment and rationale behind them.**

Write something...