

# Crop Growth Stage Tracking (BBCH Scale) Checklist

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## Crop & Field Identification

Essential information for accurate tracking and record-keeping.

### Crop Type

- Wheat
- Corn
- Soybean
- Rice
- Potato
- Other (Specify)

### Crop Variety/Cultivar

Write something...





# Initial Conditions & Planting Details

Records key conditions at planting that can influence growth stage progression.

## Planting Date

## Seed/Seedling Density (plants/hectare or sq ft)

## Soil Temperature (°C) at Planting

## Soil Moisture Level (scale of 1-5, 1=Dry, 5=Saturated)

## Seed Variety/Cultivar

- Variety 1
- Variety 2
- Other (Specify in LONG\_TEXT)

### Specify Other Seed Variety/Cultivar (if selected)

Write something...

### Planting Method

- Direct Seeding
- Transplanting
- Other (Specify in LONG\_TEXT)

### Specify Other Planting Method (if selected)

Write something...

### Depth of Planting (cm)

Enter a number...

## BBCH Stage Observations - Main Plant

Detailed observations of the primary plant's growth stages using the BBCH scale.

### Observation Date

Enter date...

## Plant Height (cm)

Enter a number...

## BBCH Leaf Stage

- 0-5: Leaf Development
- 6-9: Tillering
- 10-12: Stem Extension
- 13-14: Flag Leaf Development
- 15-17: Inflorescence Emergence
- 18-19: Inflorescence Development
- 20-21: Flowering
- 22-25: Grain Filling
- 26-29: Maturity
- 30-39: Senescence

### BBCH Stem Stage

- 0-5: Leaf Development
- 6-9: Tillering
- 10-12: Stem Extension
- 13-14: Flag Leaf Development
- 15-17: Inflorescence Emergence
- 18-19: Inflorescence Development
- 20-21: Flowering
- 22-25: Grain Filling
- 26-29: Maturity
- 30-39: Senescence

### Detailed Observations (Leaf appearance, color, any abnormalities)

Write something...

### Number of Tillers (if applicable)

Enter a number...

### Notes on overall plant health

Write something...

### Photo of Main Plant

 Upload File

# BBCH Stage Observations - Secondary Structures (if applicable)

Tracking growth stages for stems, leaves, fruits/seeds, and roots – as relevant for the specific crop.

## Stem Development (if applicable)

- BBCH 1 - Emergence
- BBCH 2 - First True Leaf
- BBCH 3 - Second True Leaf
- BBCH 5 - Syringing/Tillering
- BBCH 7 - Leaf Stage
- BBCH 9 - Inflorescence Emergence
- BBCH 11 - Flowering Begins
- BBCH 13 - Flowering Full
- BBCH 15 - Fructification Begins
- BBCH 17 - Fruit Development

## Number of Nodes with Visible Buds (if applicable)

### Root Development (if applicable & observable)

- Not Observed
- Initial Root Development
- Root Growth Visible
- Significant Root Growth

### Notes on Fruit/Seed Development (if applicable)

Write something...

### Leaf Color & Health (Secondary Leaves)

- Healthy Green
- Slight Chlorosis
- Moderate Chlorosis
- Severe Chlorosis
- Necrotic Spots
- Wilting

### Photo of Secondary Structures

 Upload File

# Environmental Factors & Treatments

Record of environmental conditions and agricultural interventions that may impact growth stages.

## Date of Observation

## Average Daily Temperature (°C)

## Cumulative Growing Degree Days (GDD)

## Rainfall (mm)

- None
- Light (0-5mm)
- Moderate (5-15mm)
- Heavy (>15mm)

### **Pest/Disease Pressure**

- None
- Low
- Moderate
- High
- Specific Pest (specify in LONG\_TEXT)

### **Pest/Disease Details (if applicable)**

Write something...

### **Fertilizer Application**

- None
- Nitrogen
- Phosphorus
- Potassium
- Micronutrients

### **Fertilizer Details (type, rate, application method)**

Write something...

### Irrigation Status

- Not Irrigated
- Irrigated - Drip
- Irrigated - Sprinkler
- Irrigated - Flood

### Irrigation Amount (liters/plant)

Enter a number...

## Photos & Notes

Visual documentation and any additional notes about plant health and development.

### Overall Plant Health Photo

 Upload File

### Detailed Observations/Notes (e.g., disease symptoms, unusual growth)

Write something...

### Approximate Plant Height (cm/inches)

Enter a number...

### Date of Photo/Notes

Enter date...

### Specific Observations Regarding Leaf Color/Appearance

Write something...

### Potential Issues Observed (select all that apply)

- Disease
- Pest Infestation
- Nutrient Deficiency
- Water Stress
- None Observed