



Small Grains

Deep Planting

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Cause: Environmental.

Occurrence: Seedling emergence.

Key Symptoms:

- Skips or bare spots in the field
- Slow seedling emergence
- Excessive coleoptile elongation
- Seedlings chlorotic

Problem: The coleoptile is the embryonic leaf that penetrates the soil so the seedling can reach the surface. Deep planting can slow emergence or cause stand establishment problems. Varieties differ in their coleoptile lengths. Early planting in warmer soils reduces the ability of the coleoptile to elongate.

Management Approaches

Plant seed at proper depth.

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Categories: Small grains, Diseases, Color banding

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