

TYPICAL PROBLEMS ENCOUNTERED ON CROPLAND

Soil Related Problems:

- Sheet and Rill Erosion
- Ephemeral Gully Erosion
- Classic Gully Erosion
- Streambank Erosion
- Poor Soil Tilth
- Excess Fertility
- Excess Pesticides
- Sediment Accumulation
 - ✓ On soil and crops
 - ✓ On, in, or across structures

Water Related Problems

- Seeps, runoff, and ponding
- Excess subsurface water
- Deficient amounts of water
- Adversely changed surface and subsurface water flow
- Restricted capacity of ponds, lakes and conveyance systems
- Pesticide contamination of surface and/or ground water
- Nutrient contamination of surface and/or ground water
- Pathogen and/or organic contamination of surface water
- Sediment and suspended solids contamination of surface water
- Lowered levels of dissolved oxygen
- Higher water temperatures in streams flowing through cropland

Air Related Problems

- Airborne particulates on floodplain soils
- Chemical drift
- Objectionable odors from application of animal manure and sludge

Plant Related Problems

- Poorly suited to site conditions
- Poorly suited to meeting land user objectives
- Lack desired quality and quantity
- Poor health and vigor

Animal Related Problems

- Generally not applicable in New Hampshire

New Hampshire's PRACTICE SELECTION GUIDE

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Air

Residue Management (329 A, B, C)
Cover Crop (340)
Windbreak/Shelterbelt Establishment (380)
Windbreak/Shelterbelt Renovation (650)
Mulching (484)
Pest Management (595)
Herbaceous Wind Barriers (603)
Nutrient Management (590)

Animals

Field Border (386)
Windbreak/Shelterbelt Estb. (380)
Windbreak/Shelterbelt Renov. (650)
Hedgerow Planting (422)
Filter Strip (393)

Plants

Plant Science Guide
Cooperative Extension Recommendations
Nutrient Management (590)
Pest Management (595)

Cropland

SOIL

Sheet and Rill Soil Erosion

Conservation Crop Rotation (328)
Residue Management (329 A, B, C)
Cover Crop (340)
Residue Management, Seasonal (344)
Contour Farming (330)
Contour Buffer Strips (332)
Contour Orchard & Other Fruit Areas (331)
Diversion (362)
Field Border (386)
Contour Stripcropping (585)
Stripcropping, Field (586)
Terrace (600)

Ephemeral Gully Erosion

Diversion (362)
Grassed Waterway (412)
Terrace (600)

Classic Gully Erosion

Critical Area Planting (342)
Diversion (362)
Filter Strip (393)
Field Border (386)
Grade Stabilization Structure (410)
Lined Waterway or Outlet (468)
Terrace (600)
Underground Outlet (620)

Streambank Erosion

Critical Area Planting (342)
Dike (356)
Diversion (362)
Fence (382)
Filter Strip (393)
Lined Waterway or Outlet (468)
Streambank/Shoreline Protection (580)

Condition

Deep Tillage (324)
Conservation Crop Rotation (328)
Residue Management (329 A,B,C)
Cover Crop (340)
Nutrient Management (590)
Pest Management (595)
Waste Utilization (633)

Water

Water Quality

Diversion (362)
Grassed Waterway (412)
Field Border (386)
Streambank/Shoreline Protection (580)
Riparian Herbaceous Cover (390)
Riparian Forest Buffer (391)
Filter Strip (393)
Nutrient Management (590)
Pest Management (595)
Contour Buffer Strips (332)
Waste Utilization (633)
Constructed Wetland (656)

Water Quantity

Dike (356)
Diversion (362)
Irrigation Water Conveyance (430)
Irrigation System - Micro (441)
Irrigation System - Sprinkler (442)
Irrigation Water Mangt. (449)
Land Smoothing (466)
Mulching (484)
Pond (378)
Subsurface Drain (606)
Surface Drain (607 & 608)