

CROSS WIND STRIPCROPPING

CONSERVATION MANAGEMENT SHEET

AGRONOMY SERIES June 1997



Natural Resources Conservation Service

Michigan



Wind stripcropping Grand Traverse County

What is Cross Wind Stripcropping?

Cross wind stripcropping is growing crops in strips established across the prevailing wind erosion direction. They are arranged so that strips susceptible to wind erosion are alternated with strips having protective cover that is resistant to wind erosion.

How Strips Work

Wind Stripcropping reduces and controls wind erosion. Alternating strips of grass and row crops reduce soil movement by wind and enhance the growing environment on the leeward side of the protective strip.

Where Stripcropping Applies

Wind stripcropping is used on cropland to protect the soil from wind erosion and sensitive crops from wind abrasion. For example, corn and hay, or snap beans and wheat in rotation.

Where to Get More Assistance

Additional local assistance may be obtained from the local office of a Michigan Conservation District or the USDA Natural Resources Conservation Service (NRCS) office at: _____

conservation plan for the area in which the wind strips are to be established. effects which may be considered include: wind erosion (calculated), soil tilth and organic matter, excess pesticides in soil , decreased sediment deposition, improved visibility, less restrictive capacity in small water conveyance, water bodies, streams, lakes and wetlands, reduced sediment bound nutrients in surface water, less sediment in surface water, improved dissolved oxygen in surface water, decreased sediments causing

safety, health, and property problems, reduced wind velocity and movement, improved establishment and growth of plants, improved plant yield, potential to increase overwinter sites for plant pests, improved wildlife water and cover, increased wildlife species, and reduced human stress and health threat via balanced, diverse crop rotations that improve yearly cash flow.

Reference/File Indexes		
Topic Application:	Resource Series:	References:
<input type="checkbox"/> Construction	<input checked="" type="checkbox"/> Agronomy	USDA-NRCS National Agronomy Manual
<input checked="" type="checkbox"/> Design	<input type="checkbox"/> Biology	USDA-NRCS FOTG WEQ SEC I
<input type="checkbox"/> Fact	<input type="checkbox"/> Engineering	USDA-NRCS WEP Manual
<input type="checkbox"/> Information	<input type="checkbox"/> Forestry	USDA NRCS (MI) Conservation Practice Associations:
<input type="checkbox"/> Management	<input type="checkbox"/> Hayland	(340) Cover and Green Manure Crops
<input type="checkbox"/> _____	<input type="checkbox"/> Livestock	(329A) Residue Mgt. No-till and Strip Till
	<input type="checkbox"/> Pastureland	(329B) Residue Mgt. Mulch Till
	<input type="checkbox"/> Recreation	(589B) Cross Wind Stripcropping
		(392) F Field Windbreaks
		USDA NRCS (MI) Associated Conservation Sheets:
FOCS (MI) Reference Number:	<input type="checkbox"/> _____	
CS _____		

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