

Resource Conserving Crops for Crop Rotation

Common Name	Scientific Name	Resource Conservation Effect				
		Increase Organic Matter	Capture Nutrients	Nitrogen Fixation	Reduce Soil Compaction	Other Pollinator Insectary
American bird's-foot trefoil	<i>Lotus unifoliolatus</i> var. <i>unifoliolatus</i>		X	X		X
Annual yellow sweetclover	<i>Melilotus indicus</i>	X		X		X
Arrowleaf clover	<i>Trifolium vesiculosum</i>	X		X		X
Arroyo lupine	<i>Lupinus succulentus</i>			X		X
Balansa clover	<i>Trifolium michelianum</i> ssp. <i>balansae</i>			X		X
Barley	<i>Hordeum vulgare</i>	X	X			
Bell bean, Fava bean	<i>Vicia faba</i>	X		X	X	X
brown mustard	<i>Brassica juncea</i>		X		X	X
Buckwheat	<i>Fagopyrum esculentum</i>	X	X			X
Cereal rye	<i>Secale cereale</i>	X	X		X	
Chick pea	<i>Cicer arietinum</i>	X		X		X
Common vetch	<i>Vicia sativa</i>	X		X	X	X
Common wheat	<i>Triticum aestivum</i>	X	X		X	
Cowpea	<i>Vigna unguiculata</i> ssp. <i>unguiculata</i>	X		X	X	X
Crimson clover	<i>Trifolium incarnatum</i>			X		X
Cultivated radish	<i>Raphanus sativus</i>		X		X	X
Egyptian clover, Berseem clover	<i>Trifolium alexandrinum</i>			X		X
Field mustard	<i>Brassica rapa</i> var. <i>rapa</i>		X		X	X
Field pea	<i>Pisum sativum</i>	X		X		X
flax	<i>Linum usitatissimum</i>					X
Gama medick	<i>Medicago rugosa</i>			X		X
Grain Sorghum or milo	<i>Sorghum bicolor</i> ssp. <i>bicolor</i>	X	X		X	X
hairy vetch	<i>Vicia villosa</i>	X		X	X	X
Ladino clover or White clover	<i>Trifolium repens</i>			X		X
millet	<i>Pennisetum glaucum</i>	X			X	X
Oats	<i>Avena sativa</i>	X				X
Persian clover; Reversed clover	<i>Trifolium resupinatum</i>			X		X
Proso millet	<i>Panicum miliaceum</i>	X			X	X
purple vetch	<i>Vicia benghalensis</i>			X		X
rapeseed	<i>Brassica napus</i>		X		X	X
Red clover	<i>Trifolium pratense</i>			X		X

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Regreen sterile hybrid	<i>Triticum aestivum x Thinopyrum ponticum</i>	X	X		X	
Rose clover	<i>Trifolium hirtum</i>			X		X
Safflower	<i>Carthamus tinctorius</i>		X			X
Small fescue	<i>Vulpia microstachys</i>	X				
Small-flowered lupine	<i>Lupinus bicolor</i>		X	X		X
Sorghum sudangrass (Sudex)	<i>Sorghum bicolor x Sorghum bicolor var. sudanense</i>	X	X		X	X
Strawberry clover	<i>Trifolium fragiferum</i>			X		X
Subterranean clover	<i>Trifolium subterraneum</i>			X		X
Sudangrass	<i>Sorghum bicolor ssp. drummondii</i>	X	X		X	X
Sunn hemp	<i>Crotalaria juncea</i>			X		X
Tansy phacelia	<i>Phacelia tanacetifolia</i>		X		X	X
Tomcat Clover	<i>Trifolium willdenovii</i>			X		X
Triticale,	<i>Triticosecale rimpaii</i>	X	X		X	
white lupine	<i>Lupinus albus</i>		X			X
white mustard	<i>Sinapis alba</i>		X		X	X
Winter vetch, Hairy vetch	<i>Vicia villosa ssp. varia</i>	X		X	X	X