

## Michgian Supplemental Enhancement Activity

### Soil Quality Enhancement Activity - SQL04 – Use of cover crop mixes

Cover Crop mix alternatives. Supplemental to the eFOTG Cover Crop (340) Standard.

Mixture Number	Rate	Total	Plant Date	Planting Method or Management
1.Red Clover (60/40)	6 lbs/ac	10 lb/ac	March-April	Small grain crops
1.Sweetclover	4 lbs/ac			Frost seed or Spring Drill
2.Red clover (80/20)	8 lbs/ac	10 lbs/ac	March-April	Small grain crops
2.Sweetclover	2 lbs/ac			Frost seed or Spring Drill
3. Winter Wheat	60 lbs/ac	120 lbs/ac	Mid July	See MSU Bulletin E-2646
3. Winter Cereal Rye	60 lbs/ac			
4. White Dutch clover	3 lbs/ac	6 lbs/ac	Frost seed	See MSU Bulletin E-2646
4. Medium red clover	3 lbs/ac			
<b>Fruit Soil Building and Bio-Fumigants</b>				<b>Nematodes Present &amp; Management of cover crop</b>
5. Pacific Gold Oriental Mustard	15 lb/ac	15 lb/ac	May	Herbivores (Root Lesion nematode)*
5. Dwarf Essex Rape	15 lb/ac	15 lbs/ac	May	Herbivores (Dagger nematode)*
				*Till at green pod stage must incorporate with tillage to get biofumigation effect.
5. Winter Cereal Rye	2 bu./ac	2 bu/ac	July 15-Sept 1	Drill or broadcast
6. Field Pea	40 lbs/ac	40 lbs/ac	May	Sow with a drill clean tillage
6. Oilseed Radish	20 lb/ac	20 lb/ac	May	Broadcast over pea cultipack
6. Oats	1 bu/ac	1 bu/ac	Mid August	Till and Drill
6. Pacific Gold Oriental Mustard*	15 lbs/ac	15 lbs/ac	Mid August	Broadcast over oats cultipack
6. Winter Rye	2 bu/ac	2 bu/ac	Mid October	Drill
<b>Potato Bio-Fumigant</b>				Herbivores (Root Lesion nematode)*
7. Pacific Gold Oriental Mustard*	15 lbs/ac	15 lbs/ac	May-June 1	Drill or broadcast/cultipack clean tilled seedbed targeting
				Chop/disk at green pod stage to incorporate and retain biofumigant effects.
<b>Sugar Beet Trap Crops</b>				Sugar beet cyst nematode
8. Oil Seed Radish	20 lbs/ac	20 lbs/ac	July 20-Sept 1.	Sow after wheat harvest
Varieties: Adagio & Colonel				Do not use Dikon or Common varieties as they do not have the trap crop properties

\* may require irrigation to germinate cover crop