



AGRITERRE
SEED | Naturally covered

Fundamentals of Trapping



Production

- Caution must be used in seed selection but trapping varieties of mustard and radish are available
- Oilseed Radish (*Raphanus sativus*) - ask specifically about trapping - avoid daikon radish as they host root knot and beet cyst nematode
- Mustard (*Brassica sinapis alba*) - look for "White" mustards
- Planting rate recommendations mustards (15-20) radish (20-25). NRCS may require high rates for programs so check with your local NRCS rep
- Requires sufficient fertility (not as high as bio-fumigation as the root does the work)
- Water: 4 irrigations at minimum 5 to 6 irrigations for long warm falls

Trapping

- Effective triggering takes 8-10 weeks with soil temperatures of approximately 60 and good moisture levels
- Root exudates from host plants trigger the sugarbeet cyst nematode to open, releasing the eggs (500/cyst) starting the life cycle. Columbia root knot eggs hatch and due to trap crop resistance same disruption to life cycle
- Nematode life cycle process (4-6 weeks based on conditions) - egg, larvae, adult are the stages
- Resistance occurs when female nematode larvae attempts to feed off of the trap crop which is not a suitable host, failing to provide the needed nutrients for reproductive cycle to take place - effectively preventing the next generation of nematode