

# **Building up Sandy Soils with Cover Crops**

**New England Veg & Fruit Conference 2022** 



# Outline of Presentation

- Overview of our farm
- Challenges of sandy soils
- Cover crop mixes
- Soil prep and seeding equipment

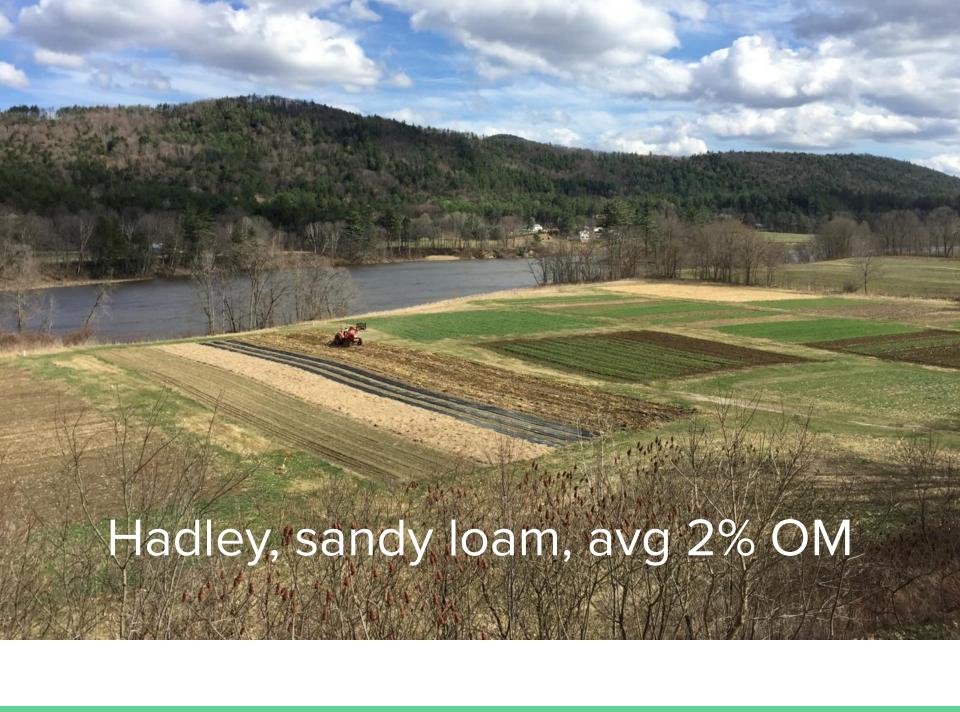








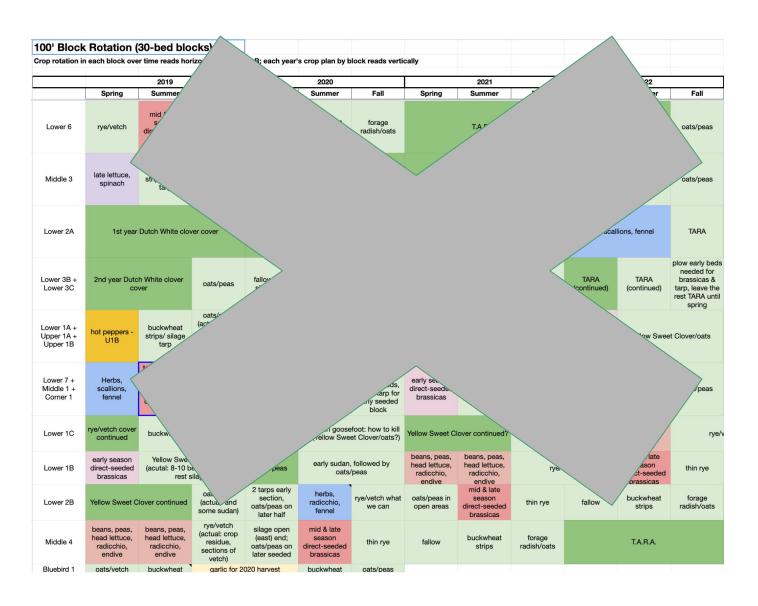




### Crop Rotation Plan (for all eternity)

	Rotation (		-	to Di oceh wa	o oron plan bo b	look roads us -t	cally					
rop rotation i	n each block ove	er time reads no	rizontally from L	to R; each year	s crop plan by b	lock reads verti	cally					
	2019			2020			2021			2022		
	Spring	Summer	Fall	Spring	Summer	Fall	Spring	Summer	Fall	Spring	Summer	Fall
Lower 6	rye/vetch	mid & late season direct-seeded brassicas	thin rye (actual: open, crop debris, thin strips of rye)	early lettuce mix, head lettuce, spinach	buckwheat strips	forage radish/oats	T.A.R.A.			T.A.R.A.		oats/peas
Middle 3	late lettuce, spinach	buckwheat strips/ silage tarp	oats/peas (actual: oats/peas/crop residue on west half, rye/vetch east half)		T.A.R.A.		T.A.R.A. oats/peas		early lettuce, spinach	buckwheat strips/ silage tarp	oats/peas	
Lower 2A	1st year Dutch White clover cover		2nd year Dutch White clover cover		oats/peas	early lettuce, spinach	buckwheat strips/ silage tarp	oats/peas Herbs, sca		llions, fennel	TARA	
Lower 3B + Lower 3C		2nd year Dutch White clover cover		fallow, then silage tarp	late lettuce mix, head lettuce, spinach	plus overflow mid & late season direct-seeded brassicas	Herbs, scallions, fennel TARA		TARA (continued)	TARA (continued)	plow early bed needed for brassicas & tarp, leave the rest TARA unt spring	
Lower 1A + Upper 1A + Upper 1B	hot peppers - U1B	buckwheat strips/ silage tarp	oats/peas (actual: L1A - open/crop residue/goosef oot, U1A - oats/peas)	TARA in L1A and U1A, scallions in U1B?	scallions - U1B	TARA	TARA (continued)	TARA (continued)	plow early beds needed for brassicas & tarp, leave the rest TARA until spring	early season		et Clover/oats
Lower 7 + Middle 1 + Corner 1	Herbs, scallions, fennel	tarp harvested sections in L7 to prep for late season overflow from L6	TARA (actual: L1-tarped, M1 - crop residue, weeds, C1 - tarp)	oats/peas	sudan after mulching	rye/vetch for summer seeded beds, silage tarp for early seeded block	early season direct-seeded brassicas	Yellow Swee	et Clover/oats Yellow Sweet Clove		Clover continued	oats/peas
Lower 1C	rye/vetch cover continued	buckwheat	oats/peas (actual: sudan)	early season direct-seeded brassicas		efoot: how to kill et Clover/oats?)	Yellow Sweet C	lover continued?	oats/peas	beans, peas, head lettuce, radicchio, endive	beans, peas, head lettuce, radicchio, endive	rye
Lower 1B	early season direct-seeded brassicas  Yellow Sweet Clover/oa (acutal: 8-10 beds oats/p rest silage)		eds oats/peas,	oats/peas	early sudan, followed by oats/peas		beans, peas, head lettuce, radicchio, endive	beans, peas, head lettuce, radicchio, endive	rye/\	vetch	mid & late season direct-seeded brassicas	thin rye
Lower 2B	Yellow Sweet C	Clover continued	oats/peas (actual: and some sudan)	2 tarps early section, oats/peas on later half	herbs, radicchio, fennel	rye/vetch what we can	oats/peas in open areas	mid & late season direct-seeded brassicas	thin rye	fallow	buckwheat strips	forage radish/oats
Middle 4	beans, peas, head lettuce, radicchio, endive	beans, peas, head lettuce, radicchio, endive	rye/vetch (actual: crop residue, sections of vetch)	silage open (east) end; oats/peas on later seeded	mid & late season direct-seeded brassicas	thin rye	fallow	buckwheat strips	forage radish/oats			

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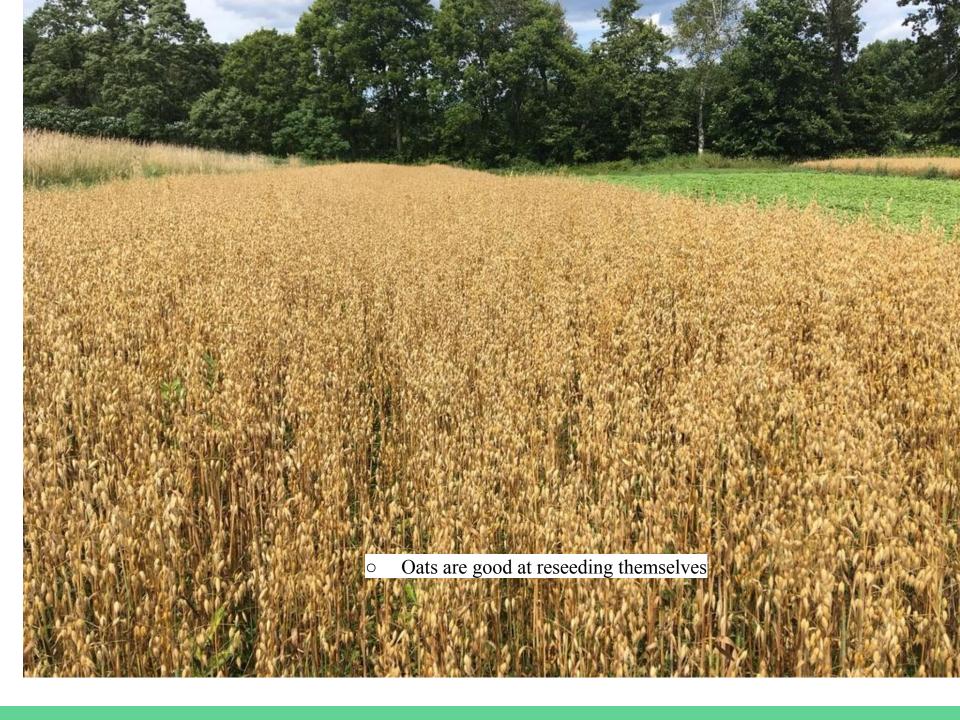


































# Cover Crop Incorporation Soil Preparation Seeding Equipment



















