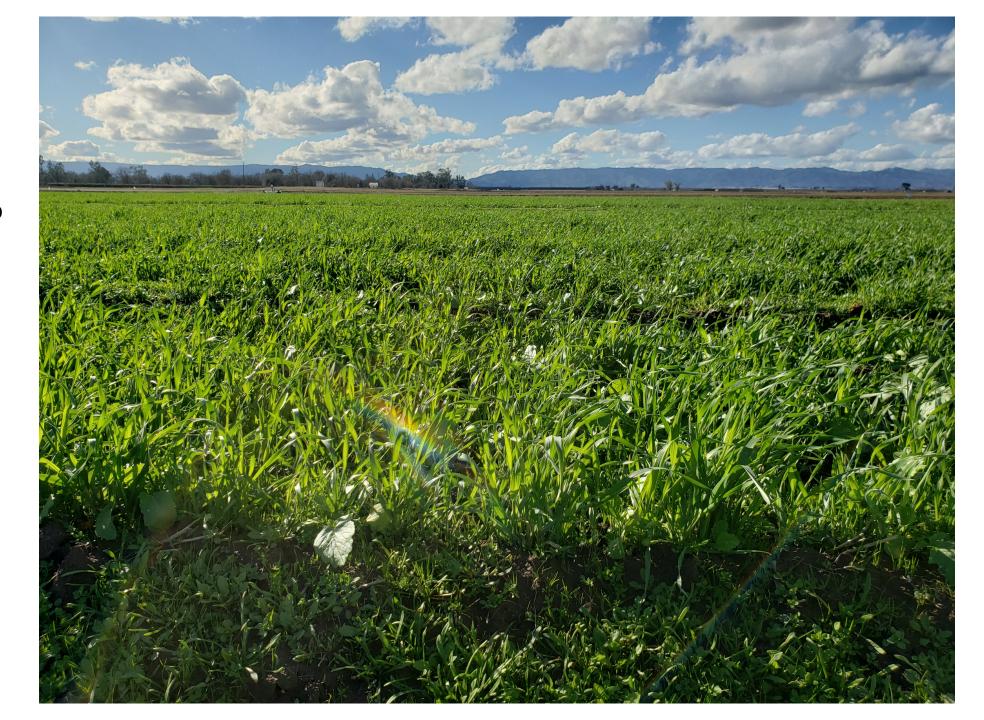
## California Multi-State Update

February 5<sup>th</sup>, 2021



California Cover Crop 2/2/2020

## California- Experimental Design

		B	L	0	C	K		1			B	L	0	C	K		2			B	L	0	C	K		3			B	L	0	CI	K		4									
Plot	101			102		2		103		201			202		203			301		302		303			401		402			403														
	Fallow		llow		ow T		Till CC		Till CC		<b>Fill CC</b>		Till CC		Till CC		Till CC		Graze		ze	Graze		ze	Till CC		Fallow		N	Till CC		Graze		Fallow		N	Graze		Fallow		V	Till CC		C C
25ft																																												
50ft																																												
75ft																																												
BED #	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36								
					15 ft																																							

- Location and Layout
  - Russell Ranch Sustainable Agriculture Facility at UC Davis
  - Organically managed
  - Plot dimensions: 75 feet by 15 ft
    - 3 beds/plot
    - We will only sample the middle bed
- Operations 11/10/2020
  - 8 ton/acre compost
  - Cover crop drill-seeded (Cereal rye, clover, radish)

## California Timeline

		20	)20		2021											
	September	October	November	December	January	February	March	April	May	June						
California				Сс	over Crop											
						Gra	nzing x 2									
									Spinach							
Soil Fertility 1A-UofME				Fertility			Fertility									
Soil Health 4-UofME									Health							
Soil Pathogens	SoilPatg Bas	seline?	SoilPatgD0			SoilPatgD7	SoilPatgD30	SoilPatgD60	SoilPatgD90	SoilPatgD120						
Fecal Pathogens			FecalPatg1			FecalPatg1										
Produce Pathogens									ProdPatg1	ProdPatg2						
Cover Crop Quality					CCPreGrz	CCPreGrz2	CCTermination									
Water								Water		Water						

- Graze- One event early March
- Soil samples
  - Soil Fertility at Spinach Preplant
  - Soil Health at Spinach Mid-Season
- Cover Crop Quality- Forage Analysis
  - Before graze- NIRS Feed Analysis
  - At termination- Cover Crop Nutrient
- Spinach planted in early April
  - California will use the Paperpot transplantor
  - Cultivar-Carmel
  - Other states can pick what cultivar does well for them

