2024 FARMER CROP PLAN

Farmer name/company name: Southwest Soil Health LLC

Date: 03/07/2024

Farm location: LPF and VC

Will you be requesting approval for use of pesticides? No

Field Number	Wildlife crop (%25)	Crop(s)/Acreage of each	Anticipated Harvesting/Cutting Schedule	Anticipated Irrigation Schedule
LPF Field 5	25% wildlife crop is being provided by Field 5 (25% of 25 ac. is 6 ac.)	Buckwheat/yellowpea; 6 ac. Alfalfa/tall fescue; 19 ac.	Weather & irrigation water dependent	Every 21 days
VC Field 3	25% wildlife crop is being provided by Field 5 (25% of ~12 ac. is 3 ac.)	Sorghum/sudan; 3.85 ac.	Weather & irrigation water dependent	Every 21 days
VC Field 4	25% wildlife crop is being provided by Field 5 (25% of ~12 ac. is 3 ac.)	Sorghum/sudan; 4.66 ac.	Weather & irrigation water dependent	Every 21 days
VC Field 5	4 ac.	Buckwheat/yellowpea; 3.7 ac.	Weather & irrigation water dependent	Every 21 days

2024 Integrated Pest Management

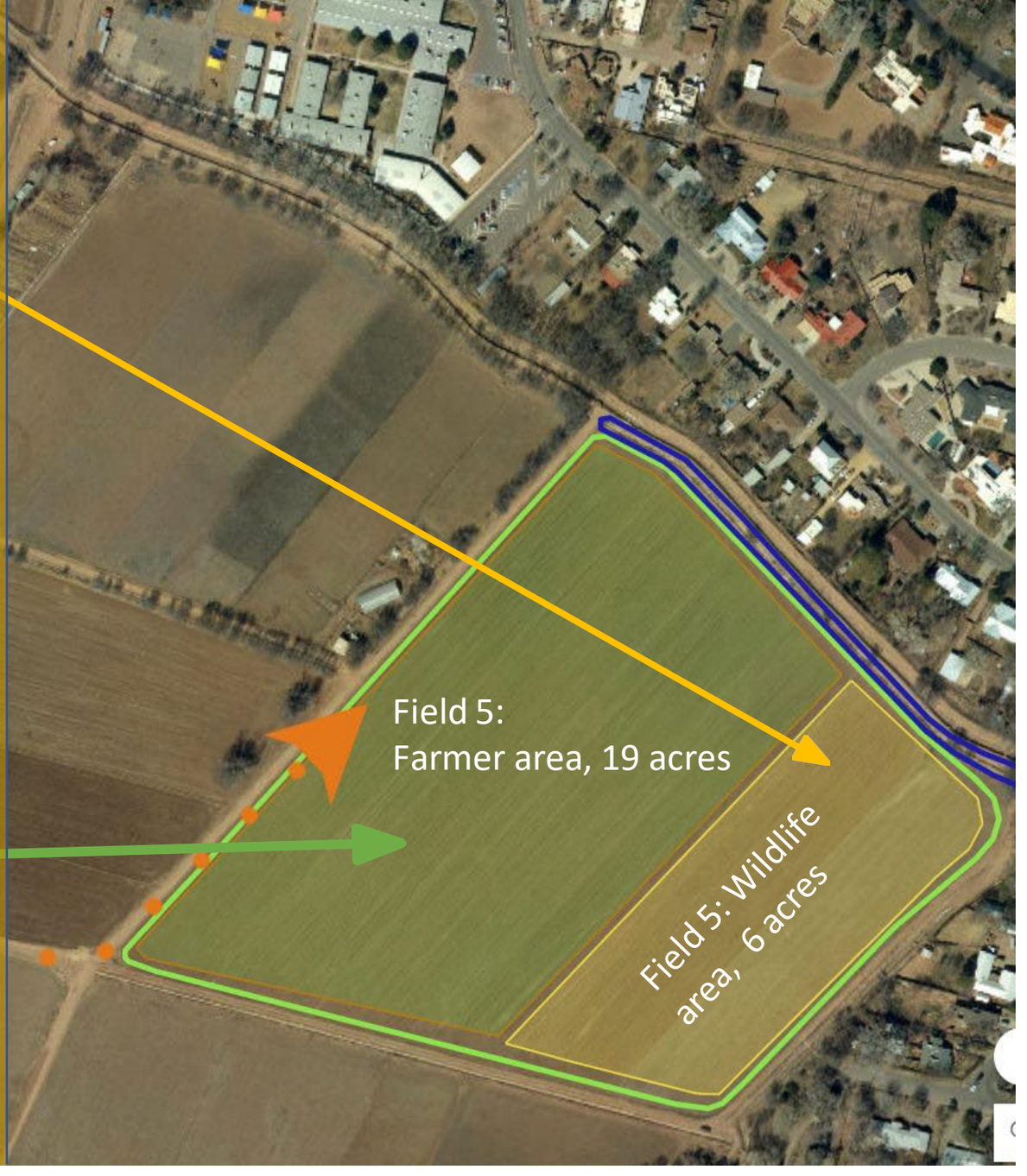
Field Number & Acreage/Crop	Identification/Monitoring (pest, disease)	Prevention	Management (use of biological, chemical or mechanical)
LPF Field 5	NMSU Guide A-338-9, Circular 659, UC IPM Pest Management Guidelines: Alfalfa UC ANR Publication 3430 Weekly field scouting	Reduce standing water, field perimieter mowing and regular ditch maintenace	Natural predation by wildlife
VC Field 3	Biology, Ecology, and Management of Key Sorghum Insect Pests, Journal of Integrated Pest Management, Volume 12, Issue 1, 2021 Monitoring: Weekly field scouting	Reduce standing water, field perimieter mowing and regular ditch maintenace	Natural predation by wildlife
VC Field 4	Biology, Ecology, and Management of Key Sorghum Insect Pests, Journal of Integrated Pest Management, Volume 12, Issue 1, 2021 Monitoring: Weekly field scouting	Reduce standing water, field perimieter mowing and regular ditch maintenace	Natural predation by wildlife
VC Field 5	Managing Cover Crops Profitably, Sustainable Agriculture Research Extension (SARE),3rd Edition	Reduce standing water, field perimieter mowing and regular ditch maintenace	Natural predation by wildlife


BUCKWHEAT
hand drawn


YELLOW PEA


Alfalfa (Lucerne)
Medicago sativa


Tall fescue
Festuca arundinacea


Field 5:
Farmer area, 19 acres
Field 5: Wildlife
area, 6 acres

Los Poblanos Open Space Field 5, 25 ac.

Cropping Plan

- **75% Farmer Crop ~19 ac.**
  - Seed: Alfalfa/tall fescue
  - Planting method: Broadcast
  - Cutting schedule will depend on # and quality of waterings, crop growth, and weather
- **25% Wildlife Crop ~6 ac.**
  - Seed: Buckwheat/yellowpea
  - Planting method: Broadcast
  - Cutting schedule will depend on # and quality of waterings, crop growth, and weather

2024 Integrated Pest Management

ID: NMSU Guide A-338-9, Circular 659, UC IPM
Pest Management Guidelines: Alfalfa
UC ANR Publication 3430
Weekly field scouting
Prevention: Reduce standing water
Management: Mow weeds

ID: NMSU Guide A-340 and the Urban/Small IPM
Monitoring: Weekly field scouting
Prevention: Reduce standing water
Management: Mow weeds

Los Poblanos Open Space Field 5

Community Programming Plan

- **Spring 2024**
  - Wildflower planting field day with Alvarado Elementary students
- **Summer 2024**
- Partner with Village of Los Ranchos Agri-Nature Center (VLR ANC) to co-host Rotational Grazing Workshop.
  ANC: Demonstrate small animal husbandry, rotation strategies, and prescribed grazing calculations
  - LPF Field 5: Round Bale grazing workshop
    - Topics to include: Warm season forage production for small to large livestock, reduced tillage and seeding strategies, implements for round bale production, using round bales for soil health

- **Late summer 2024-Spring 2025 NMDA Healthy Soil Grant Project**
    - If funded, the project will provide high school students from NM Envirothon an urban ag case study project on the use of proximal/remote sensors and UAV technologies in precision ag and advanced soil health management systems
- **Winter 2025**
- Partner with VLR ANC, Ciudad SWCD, and Flower Hill Institute Farm Crew

Visitor Center Open Space Fields 2-5

Cropping Plan

- **25% Wildlife Crop ~3 ac. @ Field 5**
  - Seed @ Field 5: Buckwheat/yellowpea
  - Planting: Broadcast
  - Cutting schedule will depend on # and quality of waterings, crop growth, and weather
- **75% Farmer Crop ~14 ac.**
  - Seed @ Field 3 & 4: Sorghum/sudan
  - Planting: Shallow-til and no-till drill
  - Cutting schedule will depend on # and quality of waterings, crop growth, and weather

2024 Integrated Pest Management

ID: Biology, Ecology, and Management of Key Sorghum Insect Pests, Journal of Integrated Pest Management, Volume 12, Issue 1, 2021
Monitoring: Weekly field scouting
Prevention: Reduce standing water
Management: Natural predation by wildlife

ID: NMSU Guide A-340 and the Urban/Small IPM
Monitoring: Weekly field scouting
Prevention: Reduce standing water
Management: Mow weeds

Visitor Center Open Space Fields 3-5

Community Programming Plan

- **Late summer 2024-Spring 2025** NMDA Healthy Soil Grant Project:
  - If funded, the project will provide high school students from NM Envirothon an urban ag case study project on the use of proximal/remote sensors and UAV technologies in precision ag and advanced soil health management systems
- Partner with other Visitor Center contract farmer on collaborative wildlife management practices, volunteer days, and other education events at the Visitor Center