SECTION 1. WHY USE ORGANIC MATTER AMENDMENTS?

a. In your opinion, which of the following is most benefited by using organic matter amendments? Please select the answer that most closely reflects your ranking of the benefits to an almond orchard

- Tree Nutrition > Soil Biology > Water Holding Capacity
- Tree Nutrition > Water Holding Capacity > Soil Biology
- Soil Biology > Water Holding Capacity > Tree Nutrition
- Soil Biology > Tree Nutrition > Water Holding Capacity
- Water Holding Capacity > Tree Nutrition > Soil Biology
- Water Holding Capacity > Soil Biology > Tree Nutrition

SECTION 2. PLANTING STAGE

ORGANIC MATTER AMENDMENTS include COMPOSTED and RAW MANURE (animal manure treated with or managed without composting), GREEN WASTE COMPOST and UNCOMPOSTED GREEN WASTE (urban or agricultural processing waste treated with or managed without composting).

a. How much area have you used organic matter amendments during PLANTING of almond?
- All plantings
- Partial plantings
- Never (If you answered Never, SKIP TO SECTION 3)

b. What forms were the organic matter amendments used during PLANTING of almond? Check all that apply
- Composted Animal Manure
- Raw Animal Manure
- Green Waste Compost
- Uncomposted Green Waste

c. How have you managed organic matter amendments during PLANTING of almond? Choose one
- Mulching or no-till
- Incorporation with tillage

SECTION 3. NON-BEARING STAGE

a. How much area have you used organic matter amendments on NON-BEARING almond?
- All non-bearing area
- Partial non-bearing area
- Never (If you answered Never, SKIP TO SECTION 4)

b. What forms were the organic matter amendments used on NON-BEARING almond? Check all that apply
- Composted Animal Manure
- Raw Animal Manure
- Green Waste Compost
- Uncomposted Green Waste

c. How have you managed organic matter amendments on NON-BEARING almond? Choose one
- Mulching or no-till
- Incorporation with tillage
SECTION 4. BEARING STAGE

ORGANIC MATTER AMENDMENTS include forms of COMPOSTED and RAW MANURE (animal manure treated with or managed without composting), GREEN WASTE COMPOST and UNCOMPOSTED GREEN WASTE (urban or agricultural processing waste treated with or managed without composting).

a. How much area have you used organic matter amendments on BEARING almond?
   ○ All bearing area
   ○ Partial bearing area
   ○ Never (If you answered Never, SKIP TO SECTION 9)

SECTION 5. BEARING STAGE

COMPOSTED MANURE is animal manure treated with composting.

a. Have you used COMPOSTED MANURE on BEARING almond?
   ○ Yes
   ○ No (If you answered No, SKIP TO SECTION 6)

b. During what season(s) have you applied COMPOSTED MANURE on BEARING almond?
   Check all that apply
   ◯ Dormancy (Oct.-Feb.)
   ◯ In-season (Mar.-Sep.)

c. Where have you placed COMPOSTED MANURE on BEARING almond?
   Check all that apply
   ◯ In the tree row or berm
   ◯ In the alleyway

d. How have you managed COMPOSTED MANURE on BEARING almond?
   Choose one
   ○ Mulching or no-till
   ○ Incorporation with tillage

SECTION 6. BEARING STAGE

RAW MANURE is animal manure managed without composting.

a. Have you used RAW MANURE on BEARING almond?
   ○ Yes
   ○ No (If you answered No, SKIP TO SECTION 7)

b. During what season(s) have you applied RAW MANURE on BEARING almond?
   Check all that apply
   ◯ Dormancy (Oct.-Feb.)
   ◯ In-season (Mar.-Sep.)

c. Where have you placed RAW MANURE on BEARING almond?
   Check all that apply
   ◯ In the tree row or berm
   ◯ In the alleyway
d. How have you managed RAW MANURE on BEARING almond?
   Choose one
   - Mulching or no-till
   - Incorporation with tillage

SECTION 7. BEARING STAGE

GREEN WASTE COMPOST is urban or agricultural processing waste treated with composting.

a. Have you used GREEN WASTE COMPOST on BEARING almond?
   - Yes
   - No (If you answered No, SKIP TO SECTION 8)

b. During what season(s) have you applied GREEN WASTE COMPOST on BEARING almond?
   Check all that apply
   - Dormancy (Oct.-Feb.)
   - In-season (Mar.-Sep.)

c. Where have you placed GREEN WASTE COMPOST on BEARING almond?
   Check all that apply
   - In the tree row or berm
   - In the alleyway

d. How have you managed GREEN WASTE COMPOST on BEARING almond?
   Choose one
   - Mulching or no-till
   - Incorporation with tillage

SECTION 8. BEARING STAGE

UNCOMPOSTED GREEN WASTE is urban or agricultural processing waste managed without composting.

a. Have you used UNCOMPOSTED GREEN WASTE on BEARING almond?
   - Yes
   - No (If you answered No, SKIP TO SECTION 9)

b. During what season(s) have you applied UNCOMPOSTED GREEN WASTE on BEARING almond?
   Check all that apply
   - Dormancy (Oct.-Feb.)
   - In-season (Mar.-Sep.)

c. Where have you placed UNCOMPOSTED GREEN WASTE on BEARING almond?
   Check all that apply
   - In the tree row or berm
   - In the alleyway

d. How have you managed UNCOMPOSTED GREEN WASTE on BEARING almond?
   Choose one
   - Mulching or no-till
   - Incorporation with tillage
a. How would you rank the importance of these issues for COMPOSTED MANURE?

Please select the answer that most closely reflects your ranking of the importance of each concern

- Cost & Logistics > Food Safety > Nutrient Availability
- Cost & Logistics > Nutrient Availability > Food Safety
- Food Safety > Nutrient Availability > Cost & Logistics
- Food Safety > Cost & Logistics > Nutrient Availability
- Nutrient Availability > Food Safety > Cost & Logistics
- Nutrient Availability > Cost & Logistics > Food Safety

b. How would you rank the importance of these issues for RAW MANURE?

Please select the answer that most closely reflects your ranking of the importance of each concern

- Cost & Logistics > Food Safety > Nutrient Availability
- Cost & Logistics > Nutrient Availability > Food Safety
- Food Safety > Nutrient Availability > Cost & Logistics
- Food Safety > Cost & Logistics > Nutrient Availability
- Nutrient Availability > Food Safety > Cost & Logistics
- Nutrient Availability > Cost & Logistics > Food Safety

c. How would you rank the importance of these issues for GREEN WASTE COMPOST?

Please select the answer that most closely reflects your ranking of the importance of each concern

- Cost & Logistics > Food Safety > Nutrient Availability
- Cost & Logistics > Nutrient Availability > Food Safety
- Food Safety > Nutrient Availability > Cost & Logistics
- Food Safety > Cost & Logistics > Nutrient Availability
- Nutrient Availability > Food Safety > Cost & Logistics
- Nutrient Availability > Cost & Logistics > Food Safety

d. How would you rank the importance of these issues for UNCOMPOSTED GREEN WASTE?

Please select the answer that most closely reflects your ranking of the importance of each concern

- Cost & Logistics > Food Safety > Nutrient Availability
- Cost & Logistics > Nutrient Availability > Food Safety
- Food Safety > Nutrient Availability > Cost & Logistics
- Food Safety > Cost & Logistics > Nutrient Availability
- Nutrient Availability > Food Safety > Cost & Logistics
- Nutrient Availability > Cost & Logistics > Food Safety

FOOD SAFETY:
Human pathogens and Produce recalls

COSTS & LOGISTICS:
Input delivery and On-farm management

NUTRIENT AVAILABILITY:
Competition with microbes and Efficiency for roots
SECTION 10. FARMING OPERATION

a. How many TOTAL ACRES of almond do you grow?
   _______________ acres

b. How many of these acres are currently BEARING?
   _______________ acres

c. In addition to almonds, do you grow other permanent crops?
   Check all that apply
   □ Pistachio   □ Stone Fruit
   □ Walnut      □ Olive
   □ Citrus      □ Other _______________
   □ Grape      □ None

d. How many TOTAL ACRES of permanent crops (including almonds) do you grow?
   _______________ acres

c. Zip code (if you farm in multiple zip codes, please list those that apply and their respective acreages)
   Note: Acreage per Zip code should equal TOTAL ACRES found in question a.
   Zip code(s) __________  __________  __________ __________ __________
   Acreage per Zip code __________ __________ __________ __________ __________

f. Do you also manage/operate any livestock operations?
   Check all that apply
   □ Dairy Cattle   □ Goat or Sheep
   □ Beef Cattle   □ Other _______________
   □ Poultry       □ None

g. How would you rate your accessibility to MANURE?
   ○ Poor   ○ Fair   ○ Good   ○ Excellent

h. How would you rate your accessibility to GREEN WASTE?
   ○ Poor   ○ Fair   ○ Good   ○ Excellent

SECTION 11. FUTURE RESEARCH

a. Would you like to participate in follow-up research such as ON-FARM FIELD TRIALS?
   ○ Yes
   ○ No

b. If so, please provide your contact information:
   Name: _______________________ E-mail: _______________________ Phone number: _______________________