



NISA Commodity-Specific Sustainability Assessments: Carrots

NOTE: Only answer questions for those which pertain to your production system

Carrot Production and Management

1A Are soils sampled for plant parasitic nematodes and are nematode threshold used in your management decision?

(Check only one)

- ☐ Yes
- ☐ No
- ☐ Not applicable

2A Is weather data used for carrot-specific concerns (e.g. aster leafhopper development and migration and/or carrot foliar blights)?

(Check only one)

- ☐ Yes
- ☐ No
- ☐ Not applicable

3A Are computer based management decision support software (e.g. TOMCAST, WISDOM, PCM) used in carrot management?

(Check only one)

- ☐ Yes
- ☐ No
- ☐ Not applicable

- 4A** Are fields rotated with crops which promote healthy carrots (e.g. corn, rye, wheat, oats, etc.) and not rotated with crops which may harbor concerns for carrots (e.g. beans, sunflowers, potatoes, etc.)?
(Check only one)
- ☐ Yes
- ☐ No
- ☐ Not applicable
- 5A** Is clean, weed and disease free seed that meets phytosanitary standards planted?
(Check only one)
- ☐ Yes
- ☐ No
- ☐ Not applicable
- 6A** Are carrots planted in raised beds or in other ways to promote adequate drainage?
(Check only one)
- ☐ Yes
- ☐ No
- ☐ Not applicable
- 7A** Are carrots planted with a small grain nurse crop?
(Check only one)
- ☐ Yes
- ☐ No
- ☐ Not applicable
- 8A** Are carrots planted in areas with limited concerns of weed or insect pests (e.g., areas with known history of success of managing problem pests)?
(Check only one)
- ☐ Yes
- ☐ No
- ☐ Not applicable

- 9A** Are carrots rotated at least $\frac{1}{4}$ mile from previous carrots to limit leaf blight and/or carrot weevil?
(Check only one)
- ☐ Yes
- ☐ No
- ☐ Not applicable
- 10A** Is supplemental nitrogen applied only based on tissue sampling?
(Check only one)
- ☐ Yes
- ☐ No
- ☐ Not applicable
- 11A** Are practices implemented and/or equipment used to limit contaminants during size grading, shorting, packaging or canning process?
(Check only one)
- ☐ Yes
- ☐ No
- ☐ Not applicable
- 12A** Are crop rotations planned to control weeds problematic in carrots and prevent weed seed escapes in and around fields?
(Check only one)
- ☐ Yes
- ☐ No
- ☐ Not applicable
- 13A** Are biocontrol agents used when applicable?
(Check only one)
- ☐ Yes
- ☐ No
- ☐ Not applicable

14A Which of the following practices are used to manage carrot insect pests?

(Check all that apply)

- ☐ Select varieties with resistance to aster yellows
- ☐ Use aster yellows index (number of leafhopper times infectivity) to make treatment decisions
- ☐ Not applicable

15A Which of the following practices are used to manage carrot diseases?

(Check all that apply)

- ☐ Select varieties that are resistant to leaf blights
- ☐ Use a fungicide seed treatment
- ☐ Limit foliage wetness when possible to limit disease spread
- ☐ Not applicable

16A Is carrot injury limited during harvest (e.g. short drop distances, full loads, etc.)?

(Check only one)

- ☐ Yes
- ☐ No
- ☐ Not applicable

17A Is crop residue and plant trash incorporated into field within 2 weeks of harvest?

(Check only one)

- ☐ Yes
- ☐ No
- ☐ Not applicable

18A Are carrots stored to ensure food safety and quality (e.g. using proper conditions, timings, cleaning methods and disinfectants)?

(Check only one)

- ☐ Yes
- ☐ No
- ☐ Not applicable