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For each farm, the bar represents the range of analytic results with each tick mark being the value for a single composite analysis and the diamond representing the average of all of the individual analyses for that farm.
NYS Composts vs. Guidelines for Organic Matter

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**Container Mix/Potting Soils**

![Graph](image1)

**Figure 2-1.** Suggested ranges of organic matter for compost used in container mix and/or potting soils from USCC FGC - light shaded area (50% - 60%), and for container mix final product from Rodale - dark shaded area (30% - 80%). (Note: Rodale value is for the end product, not for the compost component of such a product.) Diamonds indicate average value and tick marks represent single sample values. Bars show range of values.

**Topsoil Blend**

![Graph](image2)

**Figure 2-2.** Suggested value and ranges of organic matter for topsoil mix from Rodale - light shaded area (8% - 20%) (Note: Rodale value is for the end product, not for the compost component of such a product.) and for compost used in a topsoil from USCC FGC - dark shaded area (50% - 60%). Diamonds indicate average value and tick marks represent single sample values. Bars show range of values.
NYS Composts vs. Guidelines for Organic Matter

Erosion Control, Nursery Beds, Turf Establishment, Backfill for Trees and Shrubs

Figure 2-3. Suggested range of organic matter for use in categories listed. USCC FGC - shaded area (50% - 60%). Diamonds indicate average value and tick marks represent single sample values. Bars show range of values.

NYS Composts vs. Guidelines for Organic Matter

Vegetable Crops

Figure 2-4. Suggested range of organic matter for on vegetable crops from USCC FGC and NRAES - shaded area (50% - 60%). Diamonds indicate average value and tick marks represent single sample values. Bars show range of values.
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Figure 3-1. Suggested range of C:N Ratio for container mix and/or potting soils from Rodale - shaded area (20:1 - 50:1). (Note: Rodale value is for the end product, not for the compost component of such a product.) Diamonds indicate average value and tick marks represent single sample values. Bars show range of values.
NYS Composts vs. Guidelines for pH

*Container Mix/Potting Soils*

Figure 4-1. Suggested ranges of pH for compost used in container mix and/or potting soils from USCC FGC - medium shaded area (5.5 - 8.0), MSC - dark shaded area (4.5 - 7.5) and for container mix from Rodale - light shaded area (5.5 - 7.0). (Note: Rodale value is for the end product, not for the compost component of such a product.) Diamonds indicate average value and tick marks represent single sample values. Bars show range of values.

NYS Composts vs. Guidelines for C:N Ratio

*Topsoil Blend*

Figure 3-2. Suggested range of C:N Ratio for topsoil mix from Rodale - shaded area (10:1 - 20:1). (Note: Rodale value is for the end product, not for the compost component of such a product.) Diamonds indicate average value and tick marks represent single sample values. Bars show range of values.
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Figure 4-3. Suggested range of pH for use in categories listed. USCC FGC - shaded area (5.5 - 8.0). Diamonds indicate average value and tick marks represent single sample values. Bars show range of values.
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NYS Composts vs. Guidelines for pH

NYSDOT Specifications

Figure 4-4. Suggested range of pH for NYSDOT use - shaded area (6.0-8.0). Diamonds indicate average value and tick marks represent single sample values. Bars show range of values.

NYS Composts vs. Guidelines for pH

Vegetable Crops

Figure 4-5. Suggested ranges of pH for use on vegetable crops from NRAES - light shaded area (5.5 - 8.0) and USCC FGC - dark shaded area (5.0 - 8.0). Diamonds indicate average value and tick marks represent single sample values. Bars show range of values.
### NYS Composts vs. Guidelines for Soluble Salts
#### Container Mix/Potting Soils

**Figure 5-1.** Suggested ranges for soluble salts for compost used in container mix/potting soils from USCC FGC - dotted line (3.0 mmhos) and for container mix product from MSC - dark shaded area (0 mmhos - 5.5 mmhos) and Rodale (0.5 mmhos - 3.0 mmhos). (Note: MSC and Rodale value is for the end product, not for the compost component of such a product.) Diamonds indicate average value and tick marks represent single sample values.

### NYS Composts vs. Guidelines for Soluble Salts
#### Topsoil Blend

**Figure 5-2.** Suggested range and maximum value of soluble salts for topsoil product from Rodale - shaded area (0.2 mmhos - 2.0 mmhos) and for compost used in a topsoil mix from USCC FGC - dotted line (<6.0 mmhos). (Note: Rodale value is for the end product, not for the compost component of such a product.) Diamonds indicate average value and tick marks represent single sample values.
NYS Composts vs. Guidelines for Soluble Salts

Nursery Beds

Figure 5-3. Suggested maximum value of soluble salts for use in Nursery Beds from USCC FGC - dotted line (>2.5 mmhos). Diamonds indicate average value and tick marks represent single sample values. Bars show range of values.

Turf Establishment, Tree and Shrub Backfill

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**Figure 6-1.** Suggested maximum value and range of maturity for compost used in container mix and/or potting soils from USCC FGC - dotted line (> or = to 7, highly stable) and for container mix product from Rodale - shaded area (7 - 8, highly stable). (Note: Rodale value is for the end product, not for the compost component of such a product.) Diamonds indicate average value and tick marks represent single sample values. Bars show range of values.
Figure 6-2. Suggested maximum value and range of maturity for compost used in topsoil mix from USCC FGC - shaded area (5, moderately stable - > or = to 7, highly stable) and for topsoil product from Rodale - dotted line (> or = to 7, highly stable). (Note: Rodale value is for the end product, not for the compost component of such a product.) Diamonds indicate average value and tick marks represent single sample values. Bars show range of values.

Figure 6-3. Suggested range of maturity for use in categories listed. USCC FGC - shaded area (6, stable - > or = to 7, highly stable). Diamonds indicate average value and tick marks represent single sample values. Bars show range of values.
**NYS Composts vs. Guidelines for Density**

**Container Mix/Potting Soils**

![Graph](image1)

**Figure 7-1.** Suggested ranges of density for compost used in container mix and/or potting soils from USCC FGC - light shaded area (27 lb/ft³ - 37 lb/ft³) and for container mix from Rodale - dark shaded area (12 lb/ft³ - 43 lb/ft³). (Note: Rodale value is for the end product, not for the compost component of such a product.) Diamonds indicate average value and tick marks represent single sample values. Bars show range of values.

**NYS Composts vs. Guidelines for Density**

**Topsoil Blend**

![Graph](image2)

**Figure 7-2.** Suggested ranges of density for compost used in topsoil mix from USCC FGC - light shaded area (27 lb/ft³ - 37 lb/ft³) and for topsoil product from Rodale - dark shaded area (45 lb/ft³ - 60 lb/ft³). (Note: Rodale value is for the end product, not for the compost component of such a product.) Diamonds indicate average value and tick marks represent single sample values. Bars show range of values.
Figure 7-3. Suggested range of density for use in categories listed. USCC FGC - shaded area (27 lb/ft³ - 37 lb/ft³). Diamonds indicate average value and tick marks represent single sample values. Bars show range of values.

Figure 7-4. Suggested ranges of Density for use on vegetable crops from USCC FGC - shaded area (27 lb/ft³ - 37 lb/ft³) and NRAES - dark shaded area (30 lb/ft³ - 40 lb/ft³). Diamonds indicate average value and tick marks represent single sample values. Bars show range of values.
NYS Composts vs. Guidelines for Copper

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**Figure 8-1.** Suggested maximum values of ppm copper for compost used in container mix and/or potting soil from USCC FGC - dark dotted line (<1500 ppm) and for container mix product from Rodale - light dotted line (<350 ppm). (Note: Rodale value is for the end product, not for the compost component of such a product.) Diamonds indicate average value and tick marks represent single sample values. Bars show range of values.

**Figure 8-2.** Suggested maximum value of ppm Copper for use in categories listed. USCC FGC, NREAS for vegetable crops, Rodale for Topsoil and NYSDOT - dotted line (<1500 ppm). Diamonds indicate average value and tick marks represent single sample values. Bars show range of values.
Figure 9-1. Suggested maximum value of ppm Iron for topsoil mix from Rodale - dotted line (<12000 ppm). (Note: Rodale value is for the end product, not for the compost component of such a product.) Diamonds indicate average value and tick marks represent single sample values. Bars show range of values.

Figure 10-1. Suggested maximum value and range of ppm zinc for compost used in container mix and/or potting soils from USCC FGC - light dotted line (<2800 ppm) and for container mix product from Rodale - shaded area (100 ppm - 2800 ppm). (Note: Rodale value is for the end product, not for the compost component of such a product.) Diamonds indicate average value and tick marks represent single sample values. Bars show range of values.
Figure 10-2. Suggested maximum value of ppm Zinc for use in categories listed. USCC FGC for Topsoil, NRAES for Vegetable Crops, and NYSDOT use - dotted line (<2800 ppm). Diamonds indicate average value and tick marks represent single sample values. Bars show range of values.

Figure 11-1. Suggested maximum value of ppm Arsenic for use in categories listed. USCC FGC, NRAES for Vegetable Crops, NYSDOT use - dotted line (<41 ppm). Diamonds indicate average value and tick marks represent single sample values. Bars show range of values.
Appendix I

NYS Composts vs. Guidelines for Cadmium
Container Mix/Potting Soil, Topsoil Mix, Erosion Control, Nursery Beds, Turf Establishment, Tree and Shrub Backfill, Vegetable Crops, NYSDOT

Figure 12-1. Suggested maximum value of ppm Cadmium for use in categories listed. USCC FGC - dotted line (<39 ppm) and NYSDOT - solid line (<10 ppm). Diamonds indicate average value and tick marks represent single sample values. Bars show range of values.

Figure 13-1. Plot of log (fecal coliform MPN/g) testing results. There are no published guidelines for pathogens, but EPA 503 and NYS DEC rules for Class A biosolids specify that fecal coliform for any one sample cannot exceed 1000 MPN/g, indicated by the dotted line. Diamonds indicate average value and tick marks represent single sample values. Bars show range of values.
Weeds in NYS Compost

![Graph showing weeds in NYS Compost](image)

**Figure 14-1.** Plot of viable weed seeds/L testing results. Diamonds indicate average value and tick marks represent single sample values. Bars show range of values.

Plant Germination in NYS Compost

![Graph showing plant germination](image)

**Figure 15-1.** Plot of plant germination testing results. Diamonds indicate average value and tick marks represent single sample values. Bars show range of values. Values exceeding 100% indicate better germination in the compost vs. a control.
Figure 16-1. Plot of plant response testing results. Diamonds indicate average value and tick marks represent single sample values. Bars show range of values.