

Total Nitrogen

Figure 1.1 Container mix/potting soils

Figure 1.2 Topsoil Blend

Organic Matter

Figure 2.1 Container mix/potting soils

Figure 2.2 Topsoil Blend

Figure 2.3 Erosion control, nursery beds, turf establishment, tree and shrub backfill

Figure 2.4 Vegetable crops

Figure 2.5 NYSDOT

CN Ratio

Figure 3.1 Container mix/potting soils

Figure 3.2 Topsoil Blend

pH

Figure 4.1 Container mix/potting soils

Figure 4.2 Topsoil Blend

Figure 4.3 Erosion control, nursery beds, turf establishment, tree and shrub backfill

Figure 4.4 NYSDOT

Figure 4.5 Vegetable Crops

Soluble Salts

Figure 5.1 Container mix/potting soils

Figure 5.2 Topsoil Blend

Figure 5.3 Nursery beds

Figure 5.4 Turf establishment, tree and shrub backfill

Figure 5.5 NYSDOT

Maturity

Figure 6.1 Container mix/potting soil

Figure 6.2 Topsoil Blend

Figure 6.3 Erosion control, nursery beds, turf establishment, tree and shrub backfill, vegetable crops

Density

Figure 7.1 Container mix/potting soil

Figure 7.2 Topsoil Blend

Figure 7.3 Erosion control, nursery beds, turf establishment, tree and shrub backfill

Figure 7.4 Vegetable crops

Copper

Figure 8.1 Container mix/potting soil

Figure 8.2 Erosion control, nursery beds, turf establishment, tree and shrub backfill, vegetable crops, NYSDOT

Iron

Figure 9.1 Container mix/potting soil/Topsoil Blend

Zinc

Figure 10.1 Container mix/potting soil

Figure 10.2 Topsoil mix, erosion control, nursery beds, turf establishment, tree and shrub backfill, vegetable crops, NYSDOT

Arsenic

Figure 11.1 Container mix/potting soil, topsoil mix, erosion control, nursery beds, turf establishment, tree and shrub backfill, vegetable crops, NYSDOT

Cadmium

Figure 12.1 Container mix/potting soil, topsoil mix, erosion control, nursery beds, turf

Fecal Coliform

Figure 13.1 Fecal Coliform (no guidelines)

Weed Seeds

Figure 14.1 Weed Counts (no guidelines)

Plant Germination

Figure 15.1 Plant Germination (no guidelines)

Plant Response

Figure 16.1 Plant Response (no guidelines)

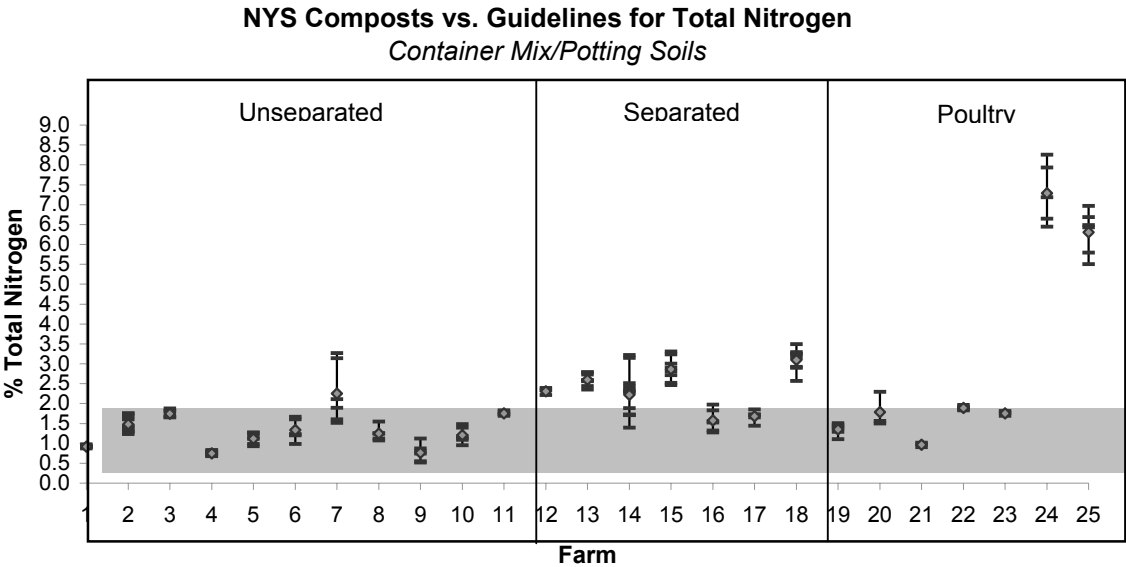


Figure 1-1. Suggested range of % total nitrogen for container mix and/or potting soils from Rodale - shaded area (0.5% - 2.0%). (Note: this is for the end product, not for the compost component of such a product.) Diamonds indicate average value and tick marks represent single sample values. Bars show range of values.

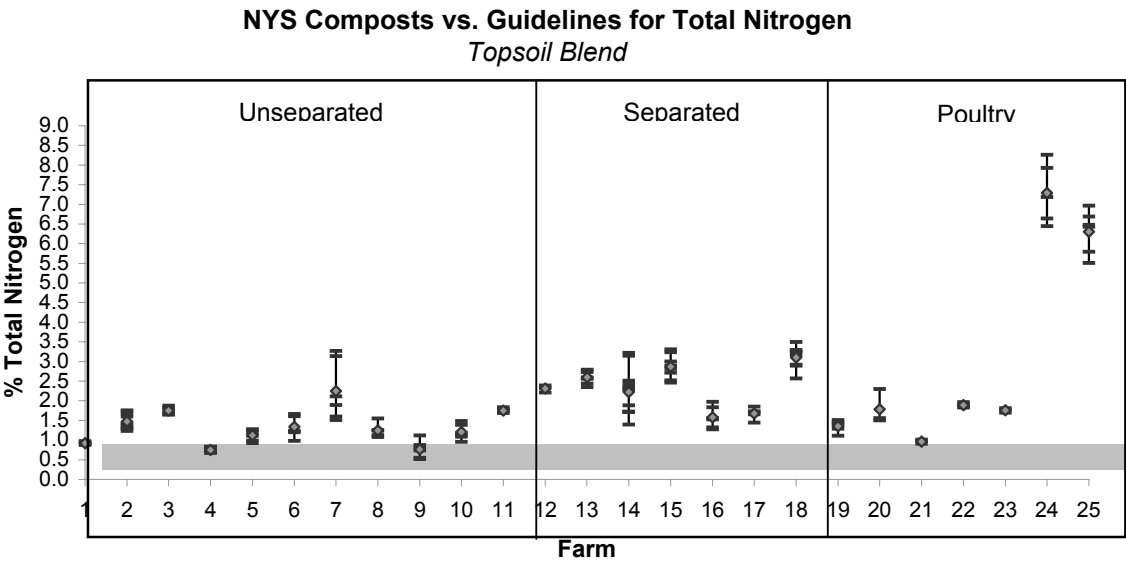


Figure 1-2. Suggested range of % total nitrogen for topsoil mix from Rodale - shaded area (0.4% - 1.0%). (Note: this is for the end product, not for the compost component of such a product.) Diamonds indicate average value and tick marks represent single sample values. Bars show range of values.

NYS Composts vs. Guidelines for Organic Matter
Container Mix/Potting Soils

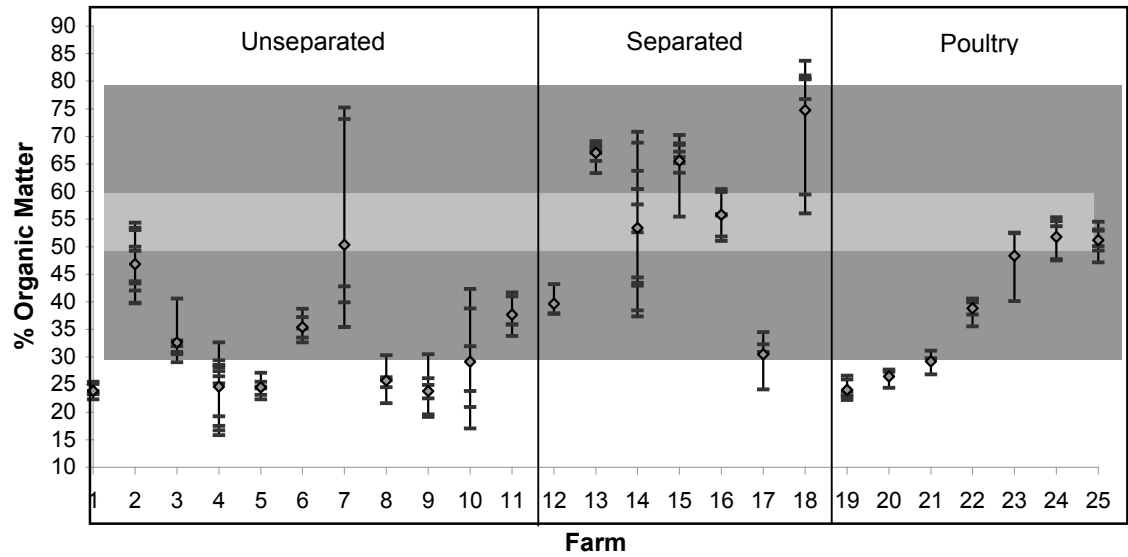


Figure 2-1. Suggested ranges of organic matter for compost used in container mix and/or potting soils from USCC FGC - light shaded area (50% - 60%), and for container mix final product from Rodale - dark shaded area (30% - 80%). (Note: Rodale value is for the end product, not for the compost component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

NYS Composts vs. Guidelines for Organic Matter
Topsoil Blend

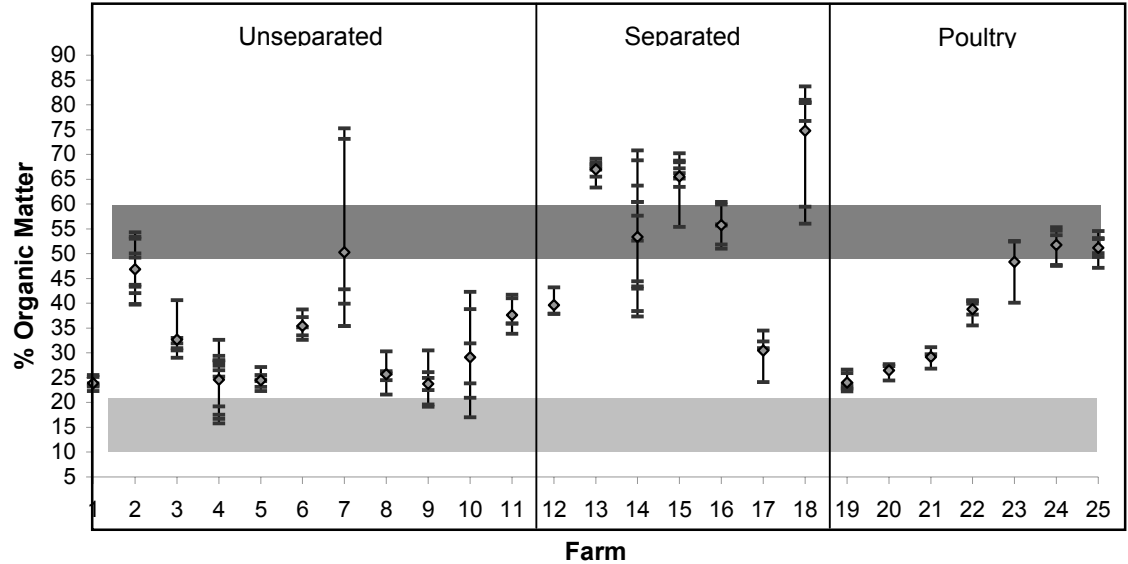


Figure 2-2. Suggested value and ranges of organic matter for topsoil mix from Rodale - light shaded area (8% - 20%) (Note: Rodale value is for the end product, not for the compost component of such a product.) and for compost used in a topsoil from USCC FGC - dark shaded area (50% - 60%). Diamonds indicate 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

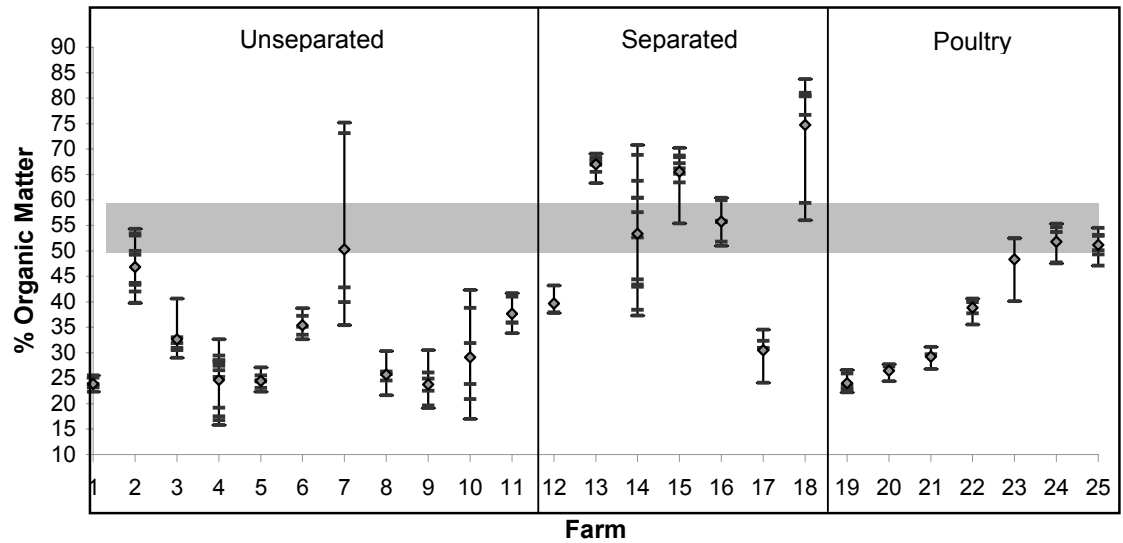


Figure 2-3. Suggested range of organic matter for use in categories listed. USCC FGC - shaded area (50% - 60%). Diamonds indicate average value and tick marks represent single sample values. Bars show range of values.

NYS Composts vs. Guidelines for Organic Matter
Vegetable Crops

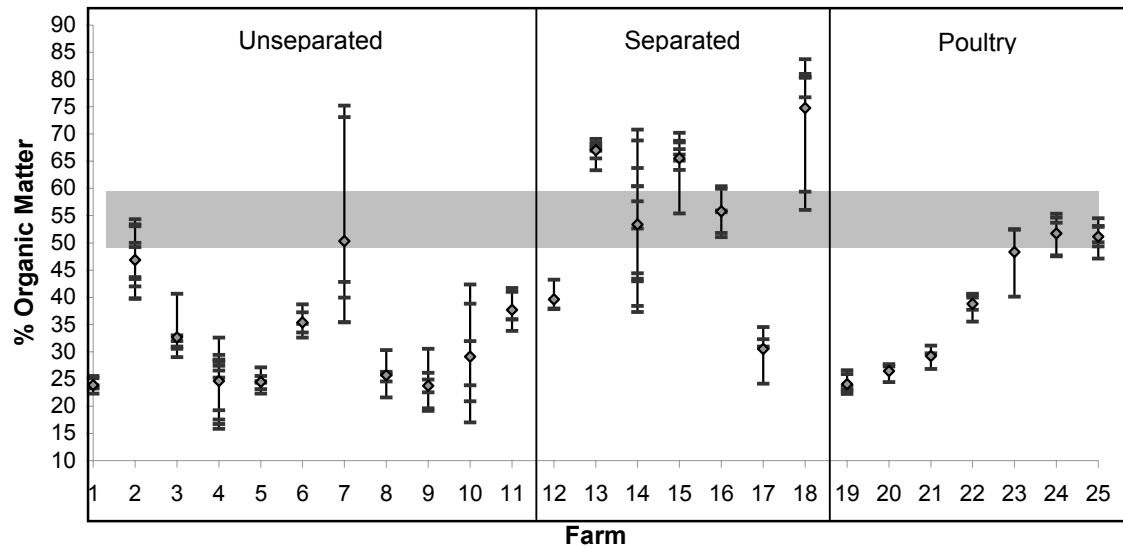


Figure 2-4. Suggested range of organic matter for on vegetable crops from USCC FGC and NRAES - shaded area (50% - 60%). Diamonds indicate average value and tick marks represent single sample values. Bars show range of values.

NYS Composts vs. Guidelines for Organic Matter
NYSDOT Specifications

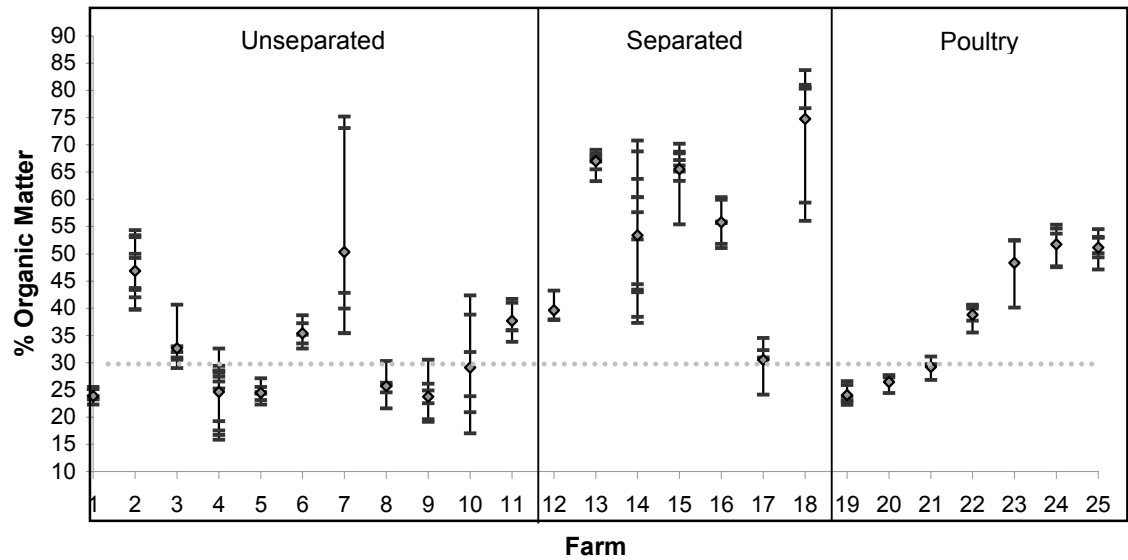


Figure 2-5. Suggested minimum value of organic matter from NYSDOT - dotted line (<30%). Diamonds indicate average value and tick marks represent single sample values. Bars show range of values.

NYS Composts vs. Guidelines for C:N Ratio
Container Mix/Potting Soils

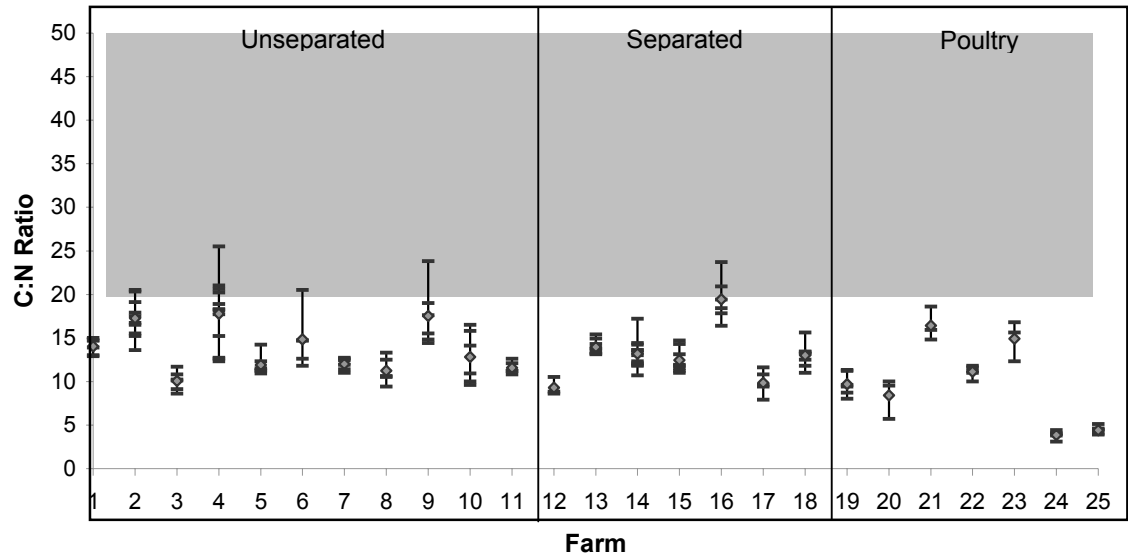


Figure 3-1. Suggested range of C:N Ratio for container mix and/or potting soils from Rodale - shaded area (20:1 - 50:1). (Note: Rodale value is for the end product, not for the compost component of such a product.) Diamonds indicate average value and tick marks represent single sample values. Bars show range of values.

NYS Composts vs. Guidelines for C:N Ratio
Topsoil Blend

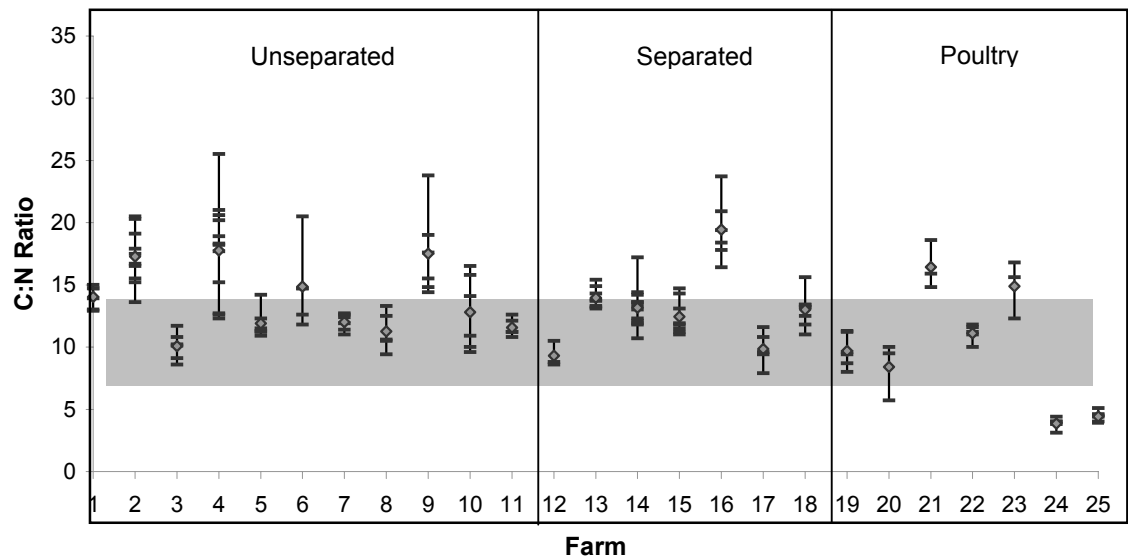


Figure 3-2. Suggested range of C:N Ratio for topsoil mix from Rodale - shaded area (10:1 - 20:1). (Note: Rodale value is for the end product, not for the compost component of such a product.) Diamonds indicate average value and tick marks represent single sample values. Bars show range of values.

NYS Composts vs. Guidelines for pH
Container Mix/Potting Soils

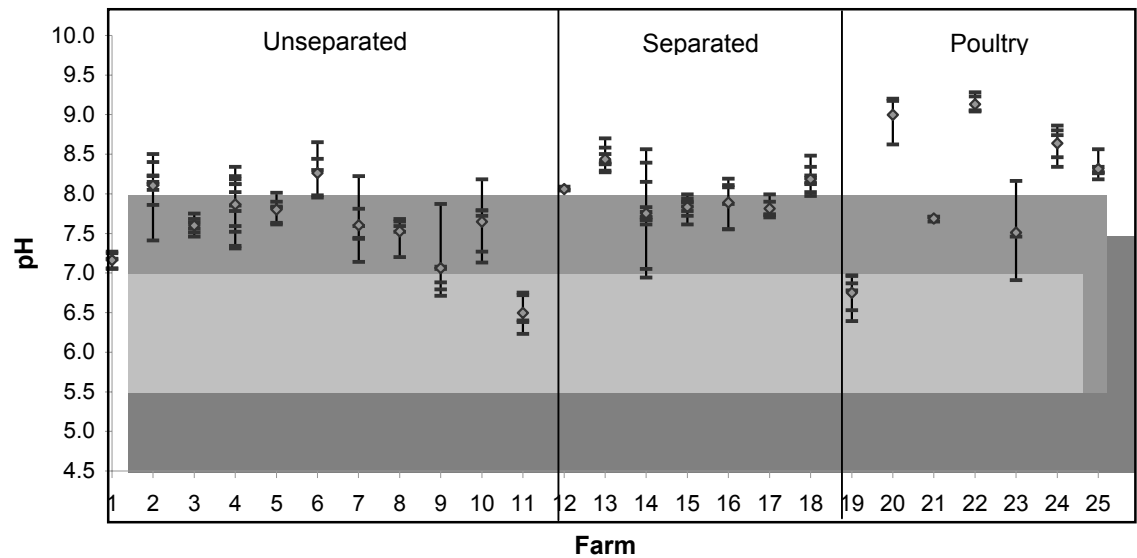


Figure 4-1. Suggested ranges of pH for compost used in container mix and/or potting soils from USCC FGC - medium shaded area (5.5 - 8.0), MSC - dark shaded area (4.5 - 7.5) and for container mix from Rodale - light shaded area (5.5 - 7.0). (Note: Rodale value is for the end product, not for the compost 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 pH
Topsoil Blend

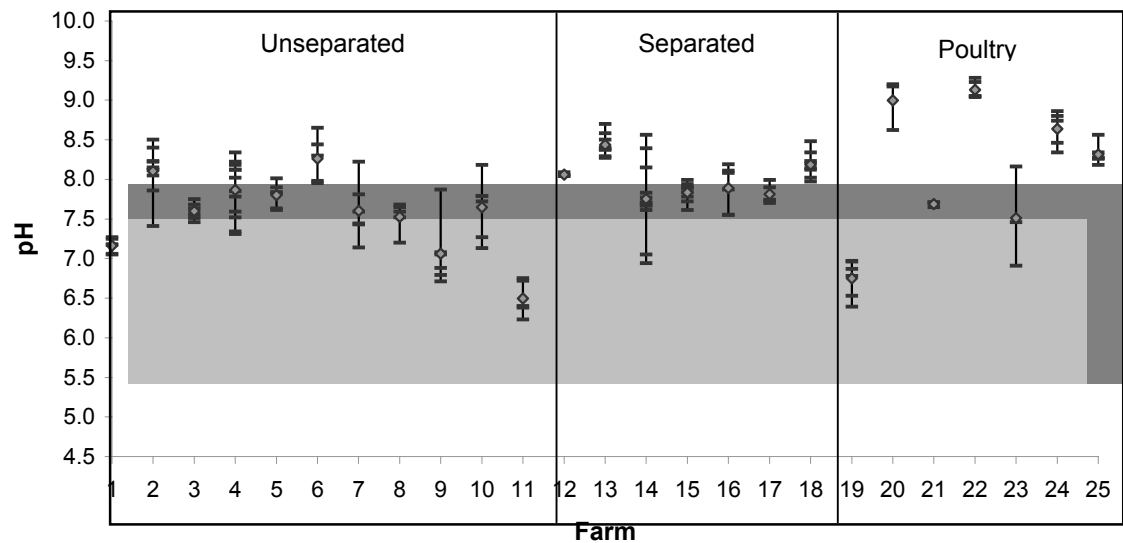


Figure 4-2. Suggested ranges of pH for compost used in topsoil mix from USCC FGC - dark shaded area (5.5 - 8.0) and for topsoil product from Rodale - light shaded area (5.5 - 7.5). (Note: Rodale value is for the end product, not for the compost component of such a product.) Diamonds indicate average value and tick marks represent single sample values. Bars show range of values.

NYS Composts vs. Guidelines for pH
Erosion Control, Nursery Beds, Turf Establishment, Tree and Shrub Backfill

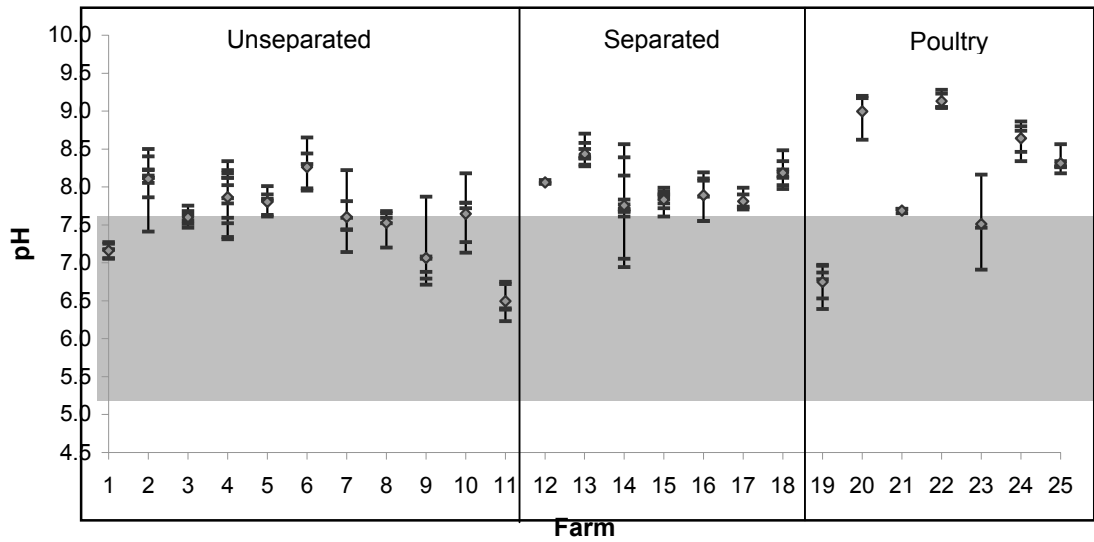


Figure 4-3. Suggested range of pH for use in categories listed. USCC FGC - shaded area (5.5 - 8.0). Diamonds indicate average value and tick marks represent single sample values. Bars show range of values.

NYS Composts vs. Guidelines for pH
NYSDOT Specifications

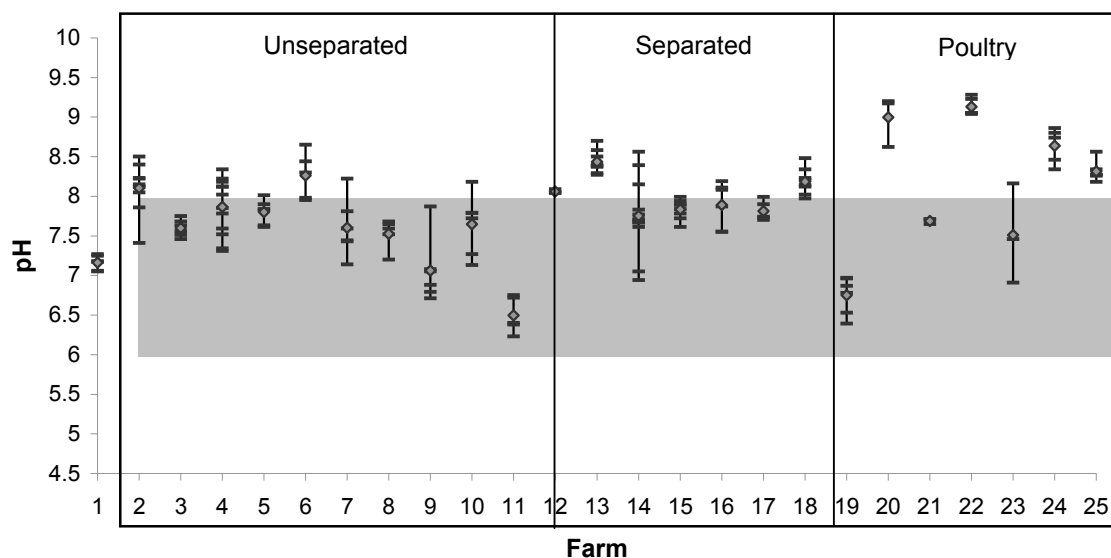


Figure 4-4. Suggested range of pH for NYSDOT use - shaded area (6.0-8.0). Diamonds indicate average value and tick marks represent single sample values. Bars show range of values.

NYS Composts vs. Guidelines for pH
Vegetable Crops

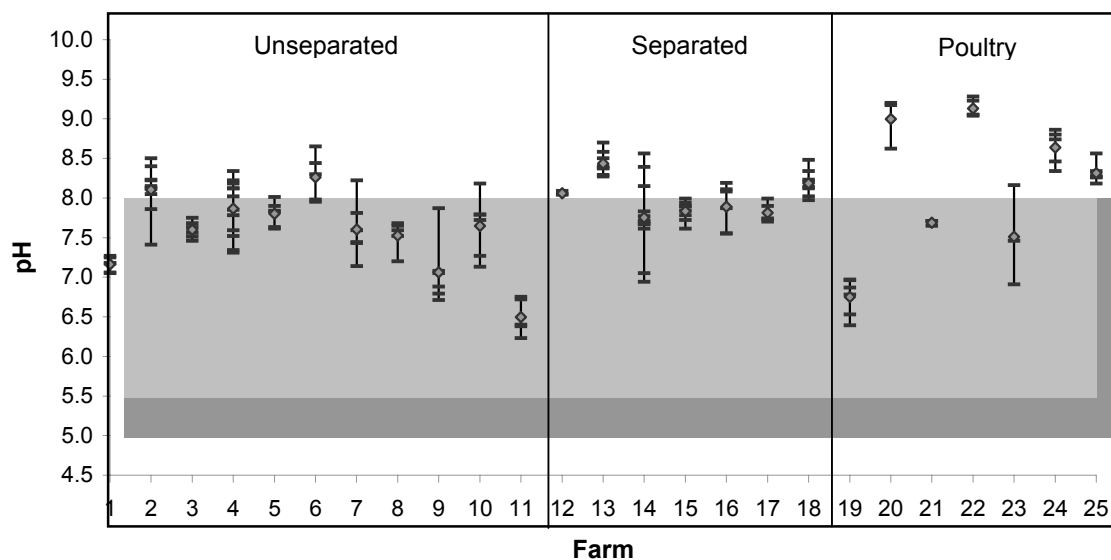


Figure 4-5. Suggested ranges of pH for use on vegetable crops from NRAES - light shaded area (5.5 - 8.0) and USCC FGC - dark shaded area (5.0 - 8.0). Diamonds indicate average value and tick marks represent single sample values. Bars show range of values.

NYS Composts vs. Guidelines for Soluble Salts Container Mix/Potting Soils

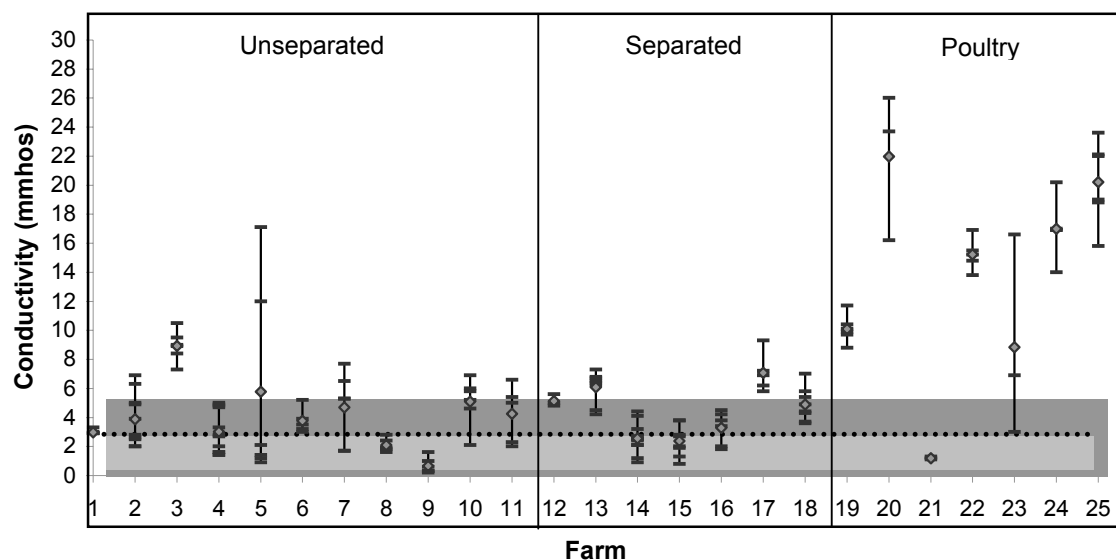


Figure 5-1. Suggested ranges for soluble salts for compost used in container mix/potting soils from USCC FGC - dotted line (3.0 mmhos) and for container mix product from MSC - dark shaded area (0 mmhos - 5.5 mmhos) and Rodale (0.5 mmhos - 3.0 mmhos). (Note: MSC and Rodale value is for the end product, 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

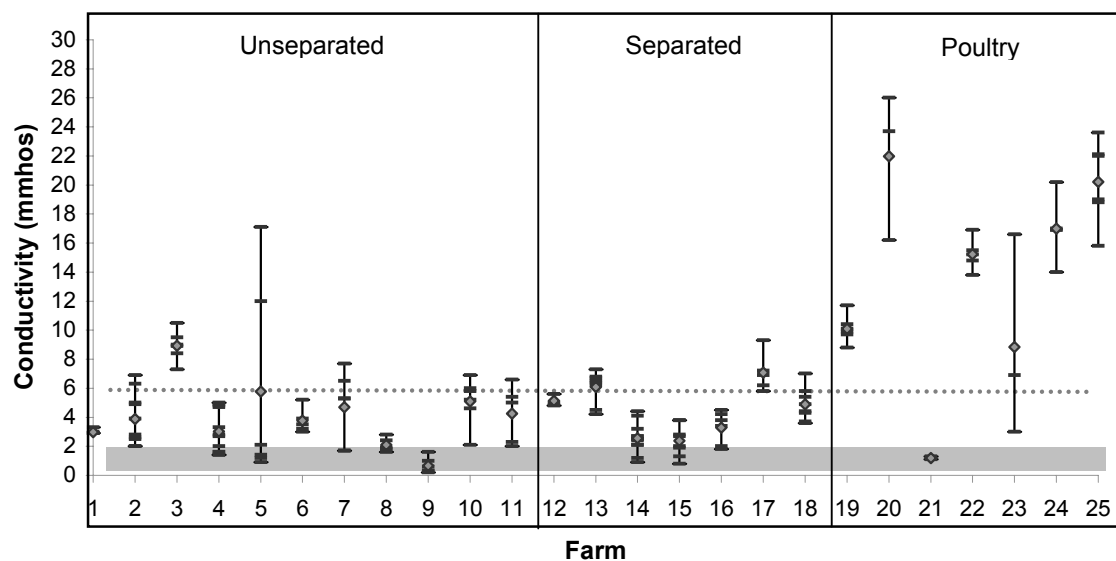


Figure 5-2. Suggested range and maximum value of soluble salts for topsoil product from Rodale - shaded area (0.2 mmhos - 2.0 mmhos) and for compost used in a topsoil mix from USCC FGC - dotted line (<6.0 mmhos). (Note: Rodale value is for the end product, not for the compost component of such a product.)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

NYS Composts vs. Guidelines for Soluble Salts
Nursery Beds

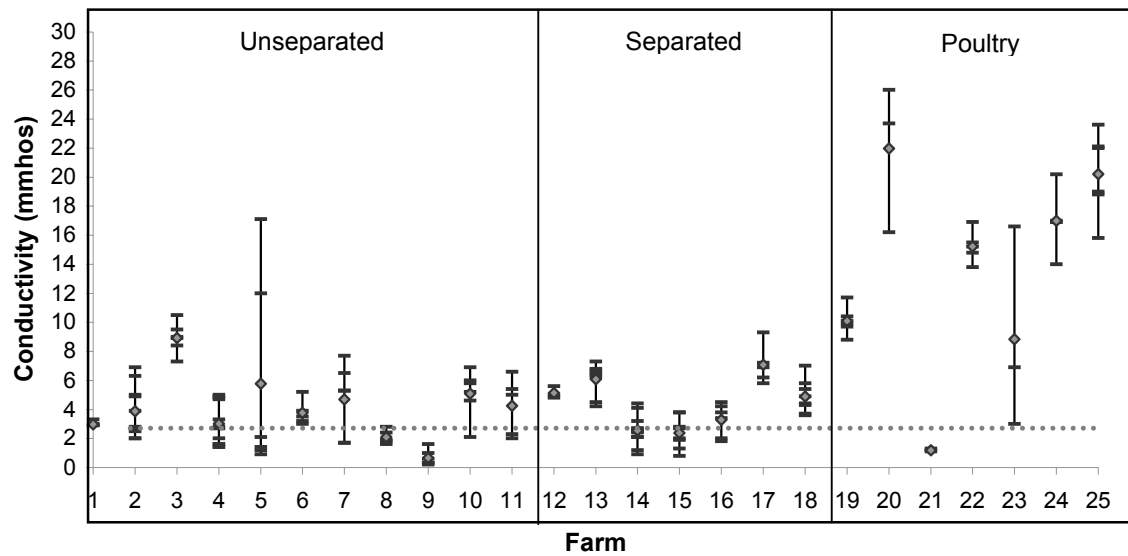


Figure 5-3. Suggested maximum value of soluble salts for use in Nursery Beds from USCC FGC - dotted line (>2.5 mmhos). Diamonds indicate average value and tick marks represent single sample values. Bars show range of values.

NYS Composts vs. Guidelines for Soluble Salts
Turf Establishment, Tree and Shrub Backfill

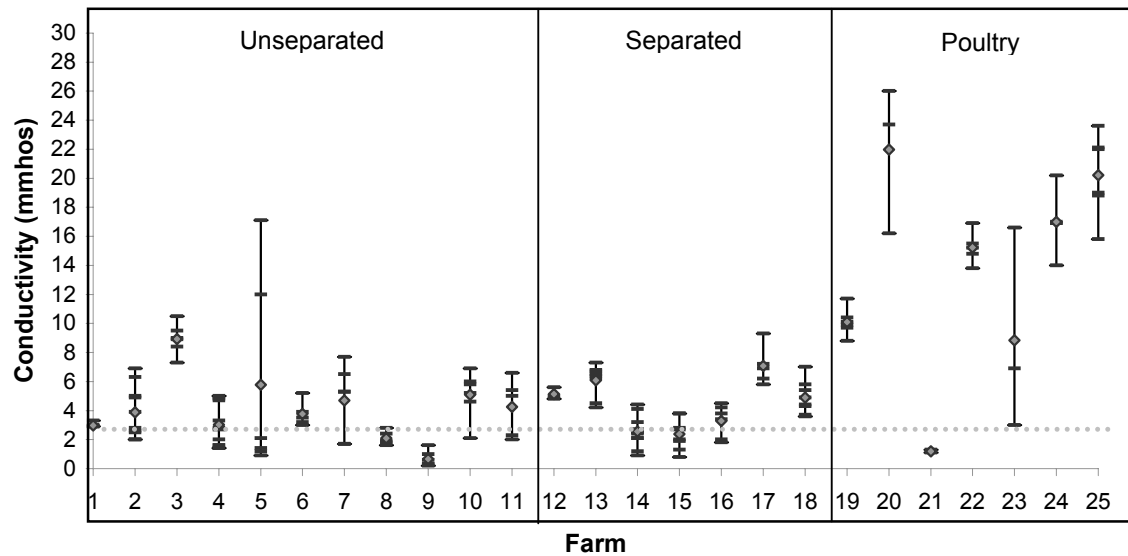


Figure 5-4. Suggested values and ranges of soluble salts for use in turf establishment and tree and shrub backfill from USCC FGC - dotted line (<3.0 mmhos). Diamonds indicate average value and tick marks represent single sample values.

NYS Composts vs. Guidelines for Soluble Salts
NYSDOT Specifications

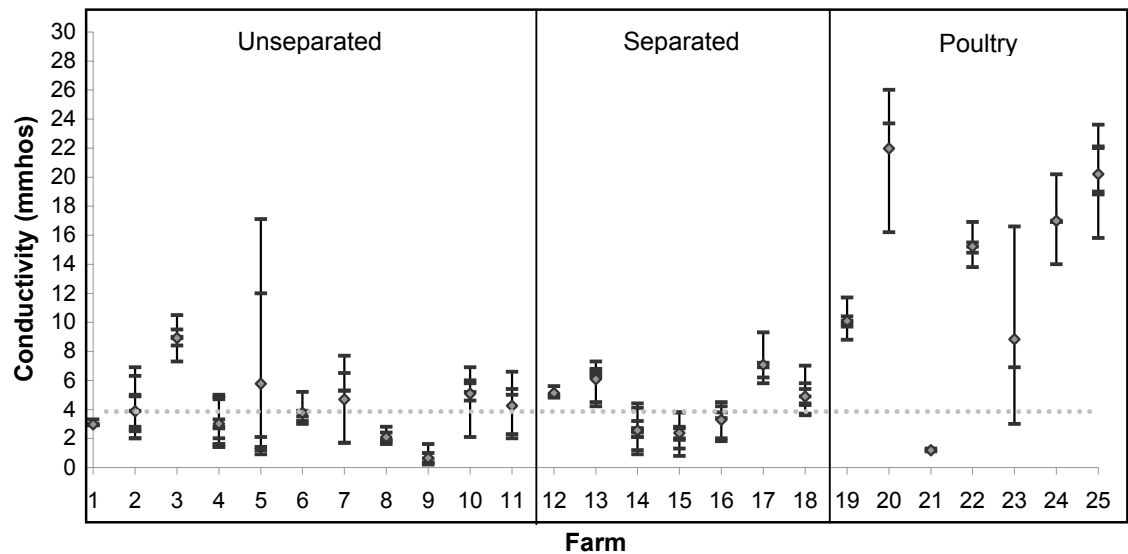


Figure 5-5. Suggested maximum value of soluble salts for NYSDOT use - dotted line (<4.0 mmhos). Diamonds indicate average value and tick marks represent single sample values.

NYS Composts vs. Guidelines for Maturity
Container Mix/Potting Soils

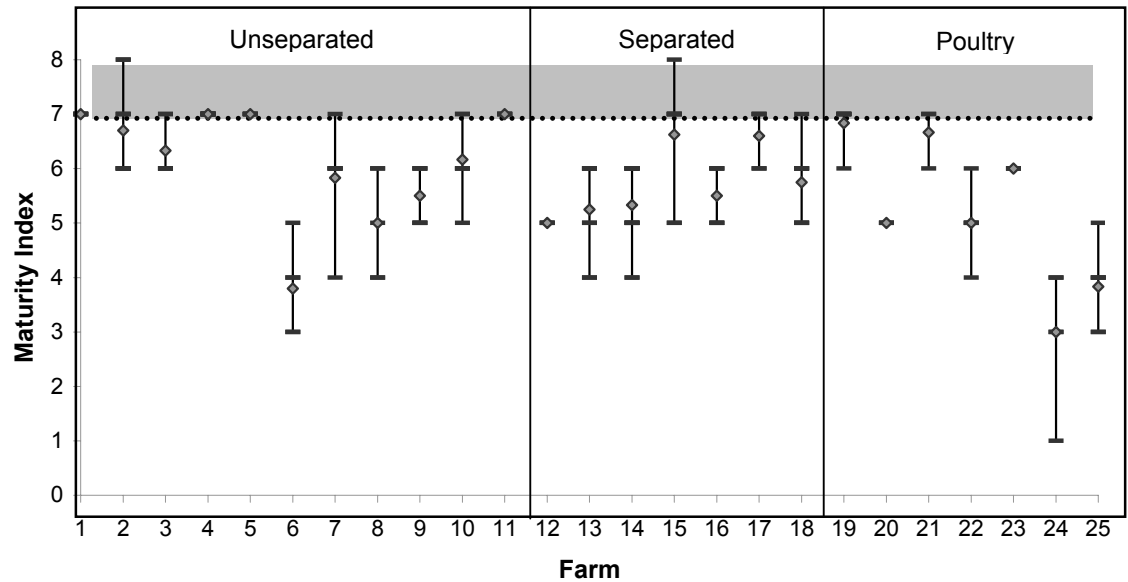


Figure 6-1. Suggested maximum value and range of maturity for compost used in container mix and/or potting soils from USCC FGC - dotted line (> or = to 7, highly stable) and for container mix product from Rodale - shaded area (7 - 8, highly stable). (Note: Rodale value is for the end product, not for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

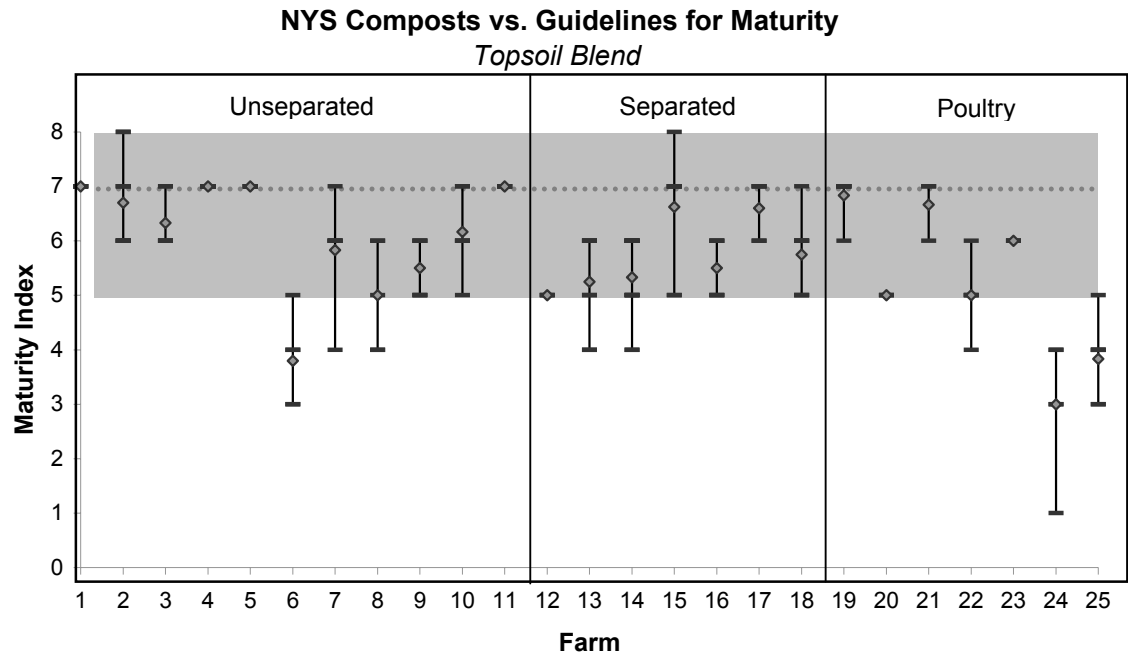


Figure 6-2. Suggested maximum value and range of maturity for compost used in topsoil mix from USCC FGC - shaded area (5, moderately stable - > or = to 7, highly stable) and for topsoil product from Rodale - dotted line (> or = to 7, highly stable). (Note: Rodale value is for the end product, not for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

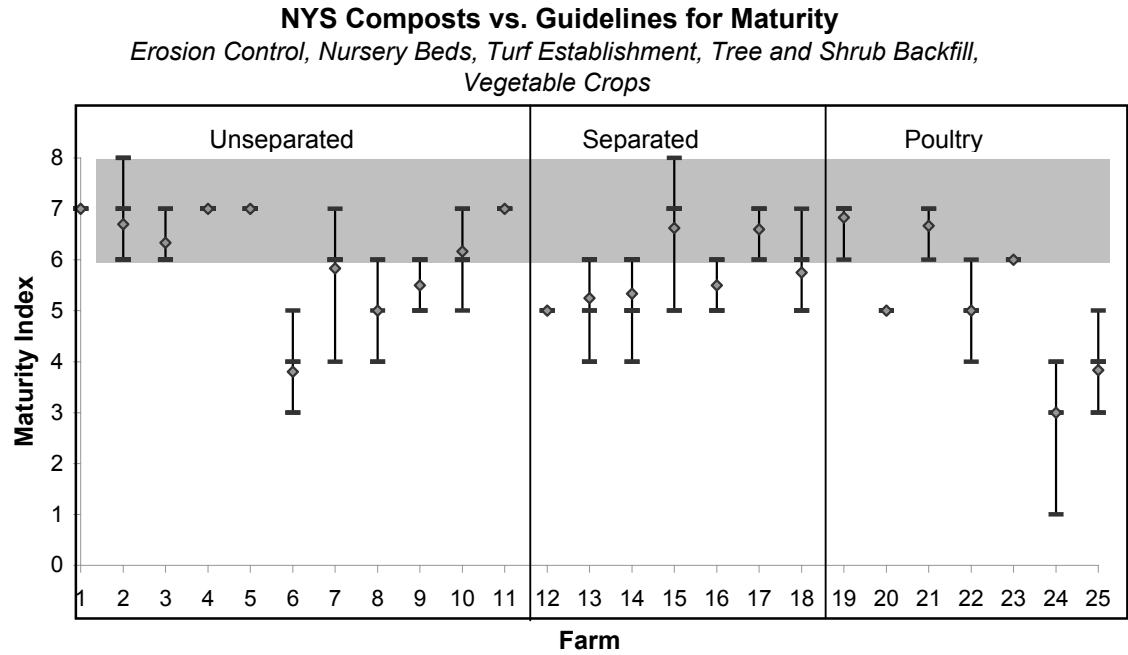


Figure 6-3. Suggested range of maturity for use in categories listed. USCC FGC - shaded area (6, stable - > or = to 7, highly stable). Diamonds indicate average value and tick marks represent single sample values. Bars show range of values.

NYS Composts vs. Guidelines for Density
Container Mix/Potting Soils

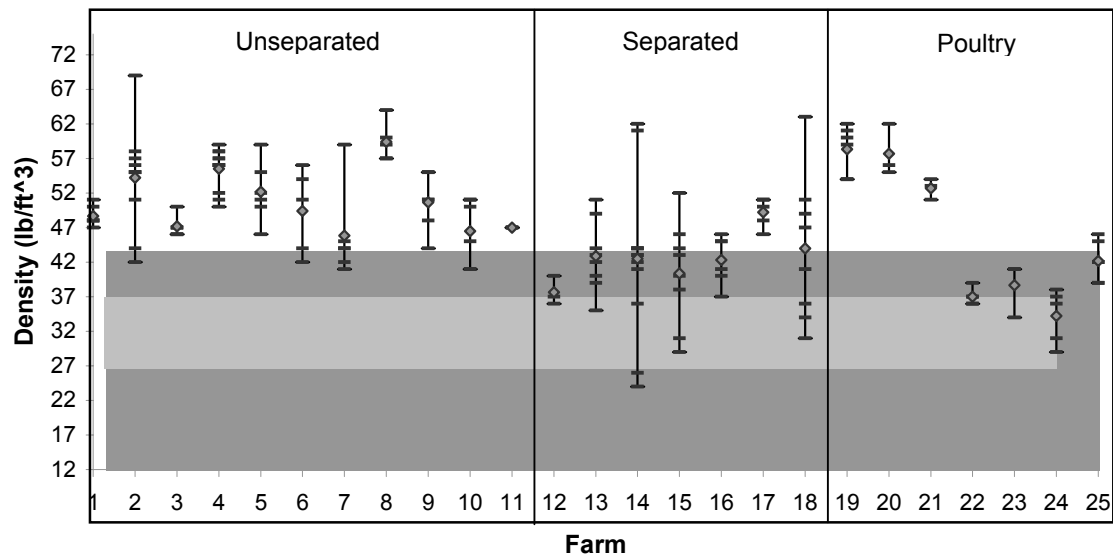


Figure 7-1. Suggested ranges of density for compost used in container mix and/or potting soils from USCC FGC - light shaded area (27 lb/ft³ - 37 lb/ft³) and for container mix from Rodale - dark shaded area (12 lb/ft³ - 43 lb/ft³). (Note: Rodale value is for the end product, not for the compost component 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

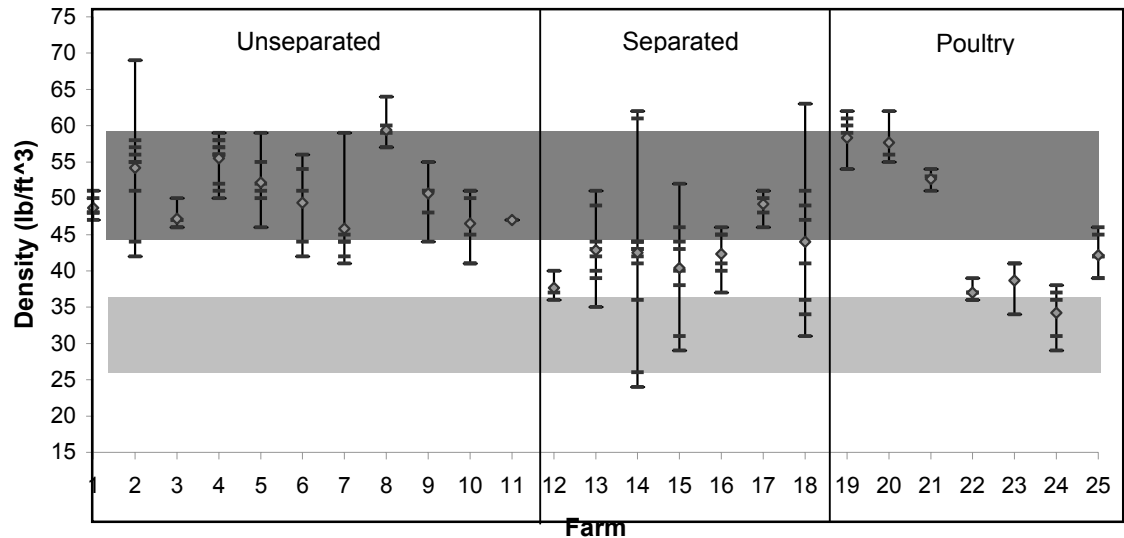


Figure 7-2. Suggested ranges of density for compost used in topsoil mix from USCC FGC - light shaded area (27 lb/ft³ - 37 lb/ft³) and for topsoil product from Rodale - dark shaded area (45 lb/ft³ - 60 lb/ft³). (Note: Rodale value is for the end product, not for the compost component of such a product.)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

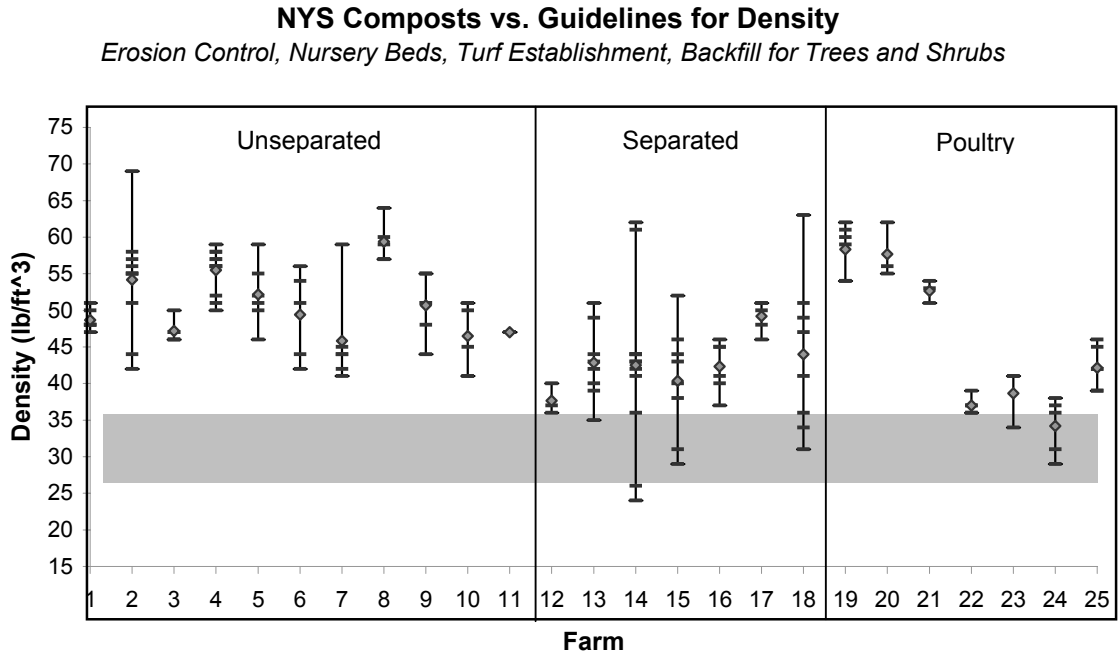


Figure 7-3. Suggested range of density for use in categories listed. USCC FGC - shaded area (27 lb/ft³ - 37 lb/ft³). Diamonds indicate average value and tick marks represent single sample values. Bars show range of values.

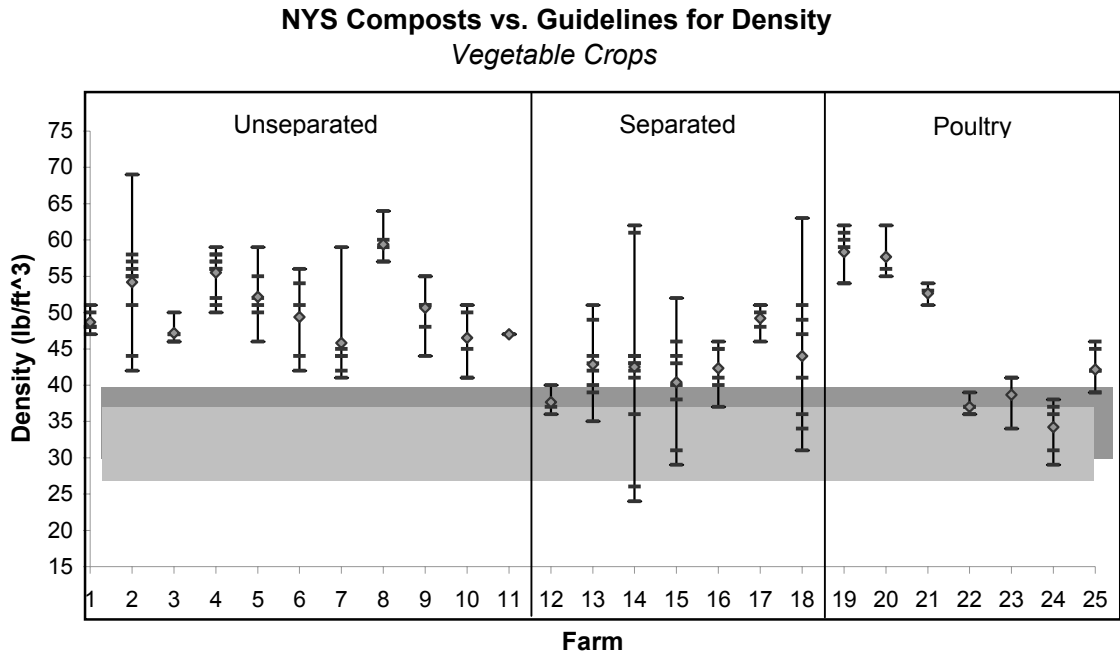


Figure 7-4. Suggested ranges of Density for use on vegetable crops from USCC FGC - shaded area (27 lb/ft³ - 37 lb/ft³) and NRAES - dark shaded area (30 lb/ft³ - 40 lb/ft³). Diamonds indicate average value and tick marks represent single sample values. Bars show range of values.

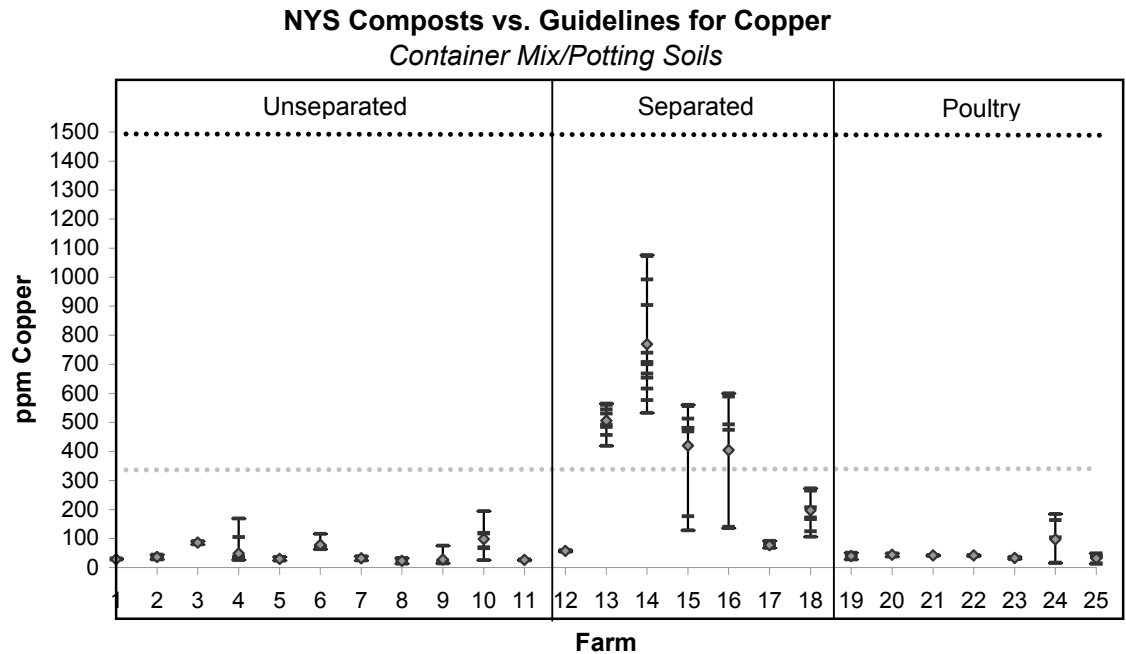


Figure 8-1. Suggested maximum values of ppm copper for compost used in container mix and/or potting soil from USCC FGC - dark dotted line (<1500 ppm) and for container mix product from Rodale - light dotted line (<350 ppm). (Note: Rodale value is for the end product, not for the compost component of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

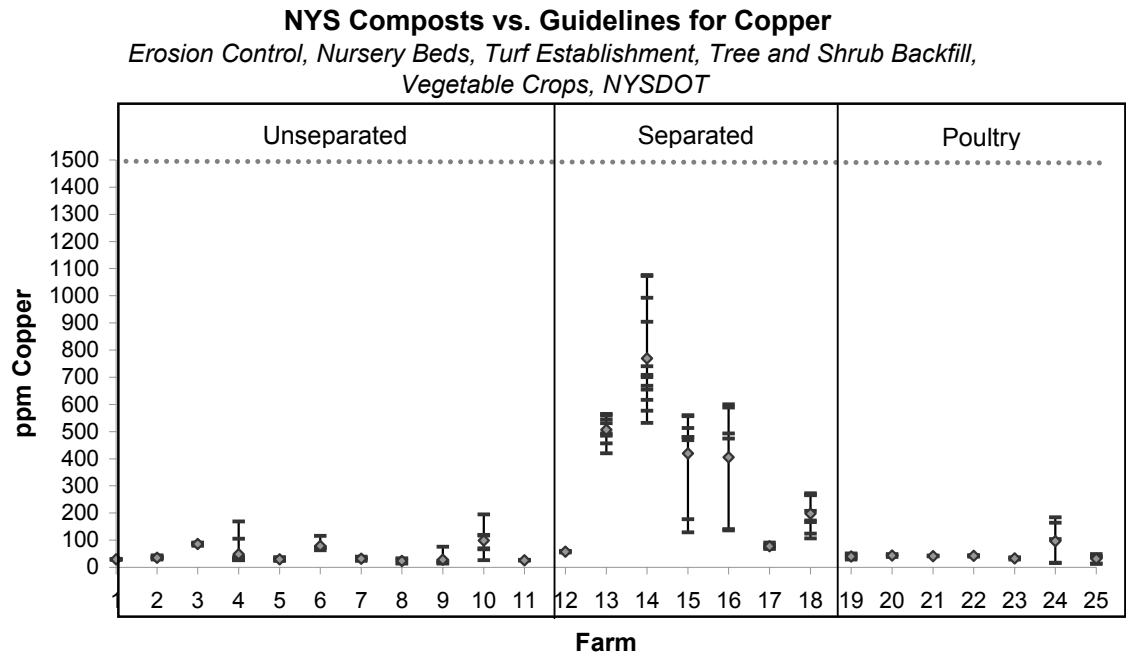


Figure 8-2. Suggested maximum value of ppm Copper for use in categories listed. USCC FGC, NREAS for vegetable crops, Rodale for Topsoil and NYSDOT - dotted line (<1500 ppm). Diamonds indicate average value and tick marks represent single sample values. Bars show range of values.

NYS Composts vs. Guidelines for Iron
Container Mix/Potting Soil

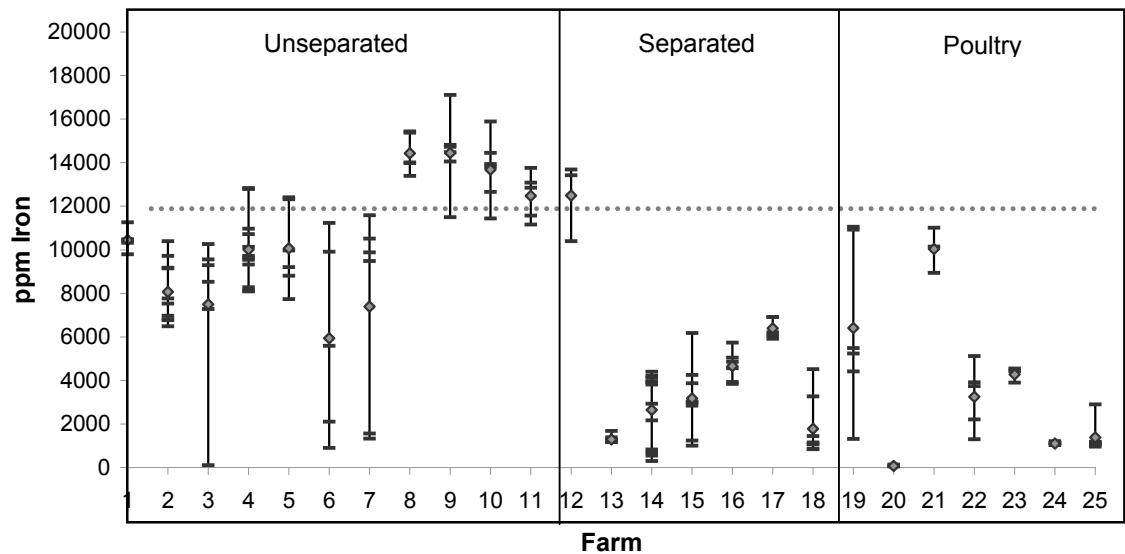


Figure 9-1. Suggested maximum value of ppm Iron for topsoil mix from Rodale - dotted line (<12000 ppm). (Note: Rodale value is for the end product, not for the compost component of such a product.) Diamonds indicate average value and tick marks represent single sample values. Bars show range of values.

NYS Composts vs. Guidelines for Zinc
Container Mix/Potting Soils

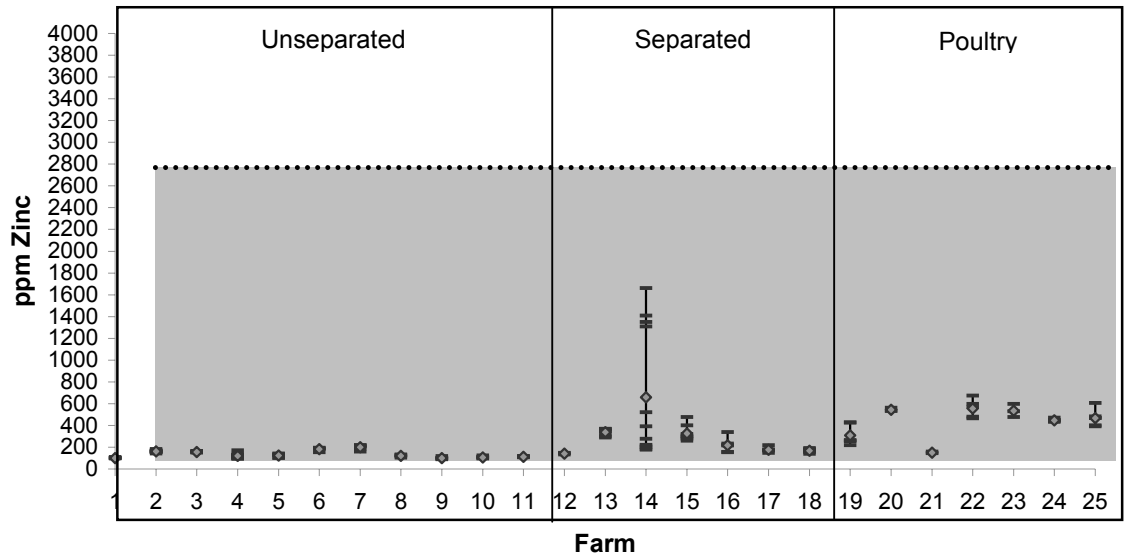


Figure 10-1. Suggested maximum value and range of ppm zinc for compost used in container mix and/or potting soils from USCC FGC - light dotted line (<2800 ppm) and for container mix product from Rodale - shaded area (100 ppm - 2800 ppm). (Note: Rodale value is for the end product, not for the compost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

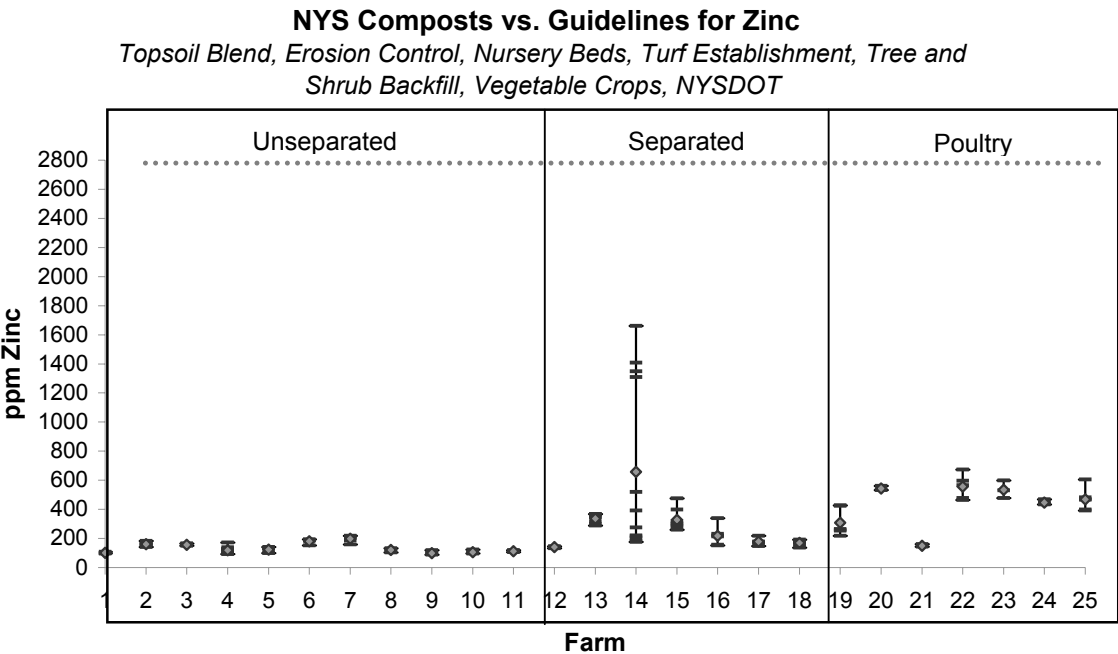


Figure 10-2. Suggested maximum value of ppm Zinc for use in categories listed. USCC FGC for Topsoil, NRAES for Vegetable Crops, and NYSDOT use - dotted line (<2800 ppm). Diamonds indicate average value and tick marks represent single sample values. Bars show range of values.

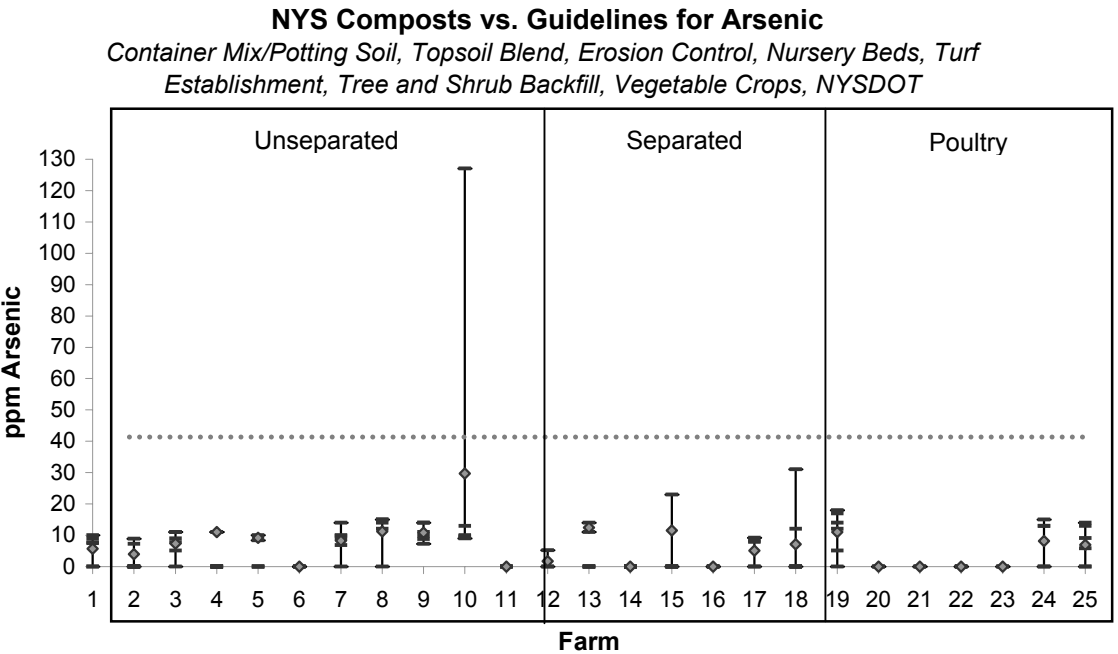


Figure 11-1. Suggested maximum value of ppm Arsenic for use in categories listed. USCC FGC, NRAES for Vegetable Crops, NYSDOT use - dotted line (<41 ppm). Diamonds indicate average value and tick marks represent single sample values. Bars show range of values.

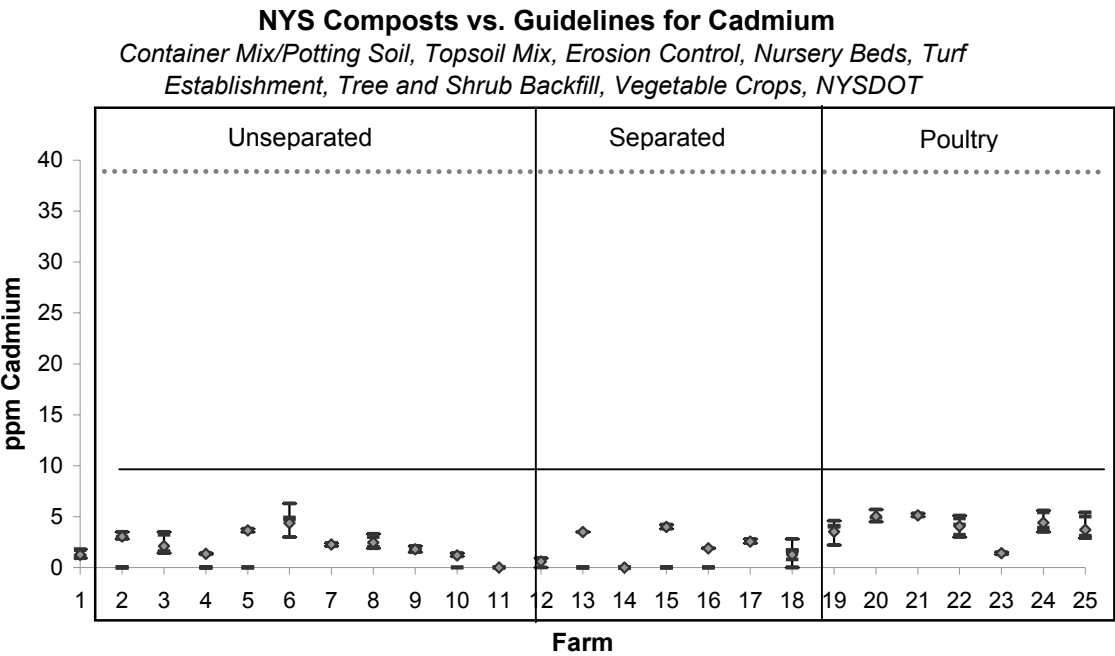


Figure 12-1. Suggested maximum value of ppm Cadmium for use in categories listed. USCC FGC - dotted line (<39 ppm) and NYSDOT - solid line (<10 ppm). Diamonds indicate average value and tick marks represent single sample values. Bars show range of values.

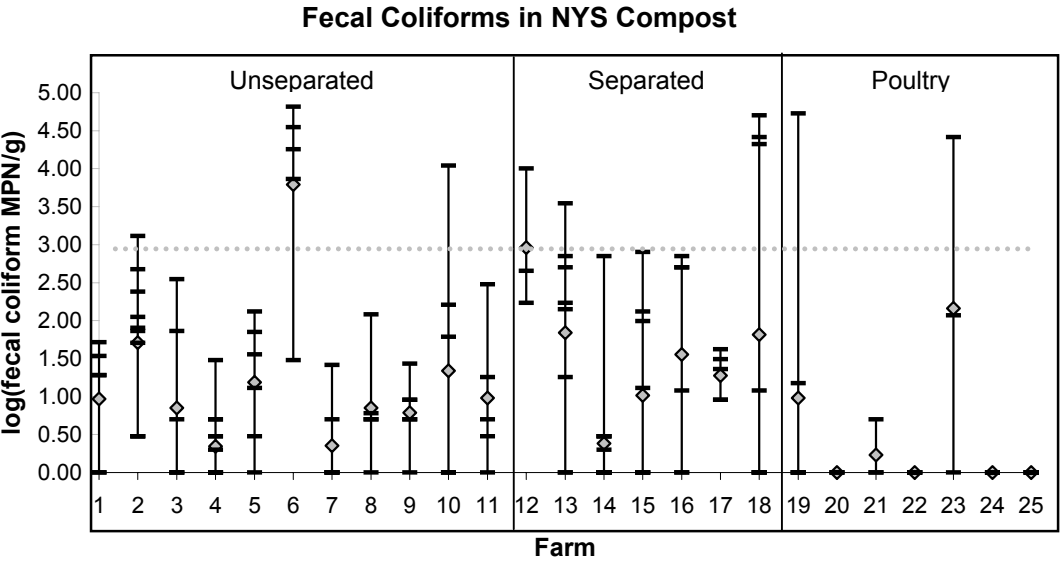


Figure 13-1. Plot of log (fecal coliform MPN/g) testing results. There are no published guidelines for pathogens, but EPA 503 and NYS DEC rules for Class A biosolids specify that fecal coliform for any one sample cannot exceed 1000 MPN/g, indicated by the dotted line. Diamonds indicate average value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

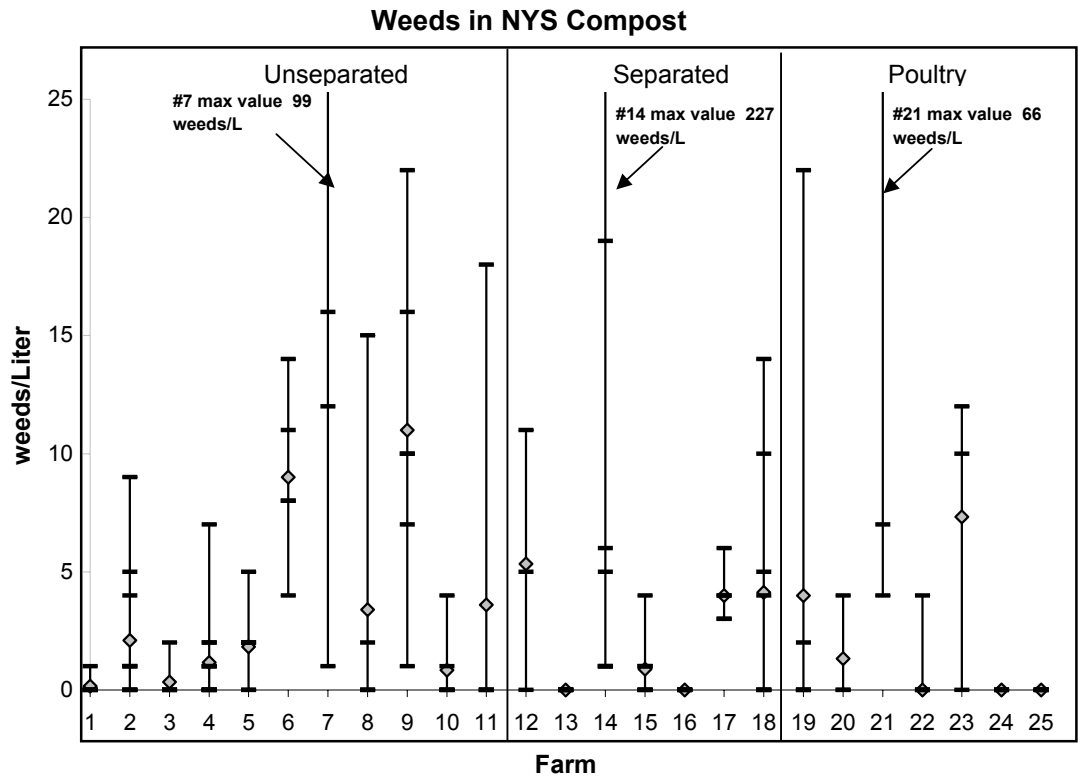


Figure 14-1. Plot of viable weed seeds/L testing results. Diamonds indicate average value and tick marks represent single sample values. Bars show range of values.

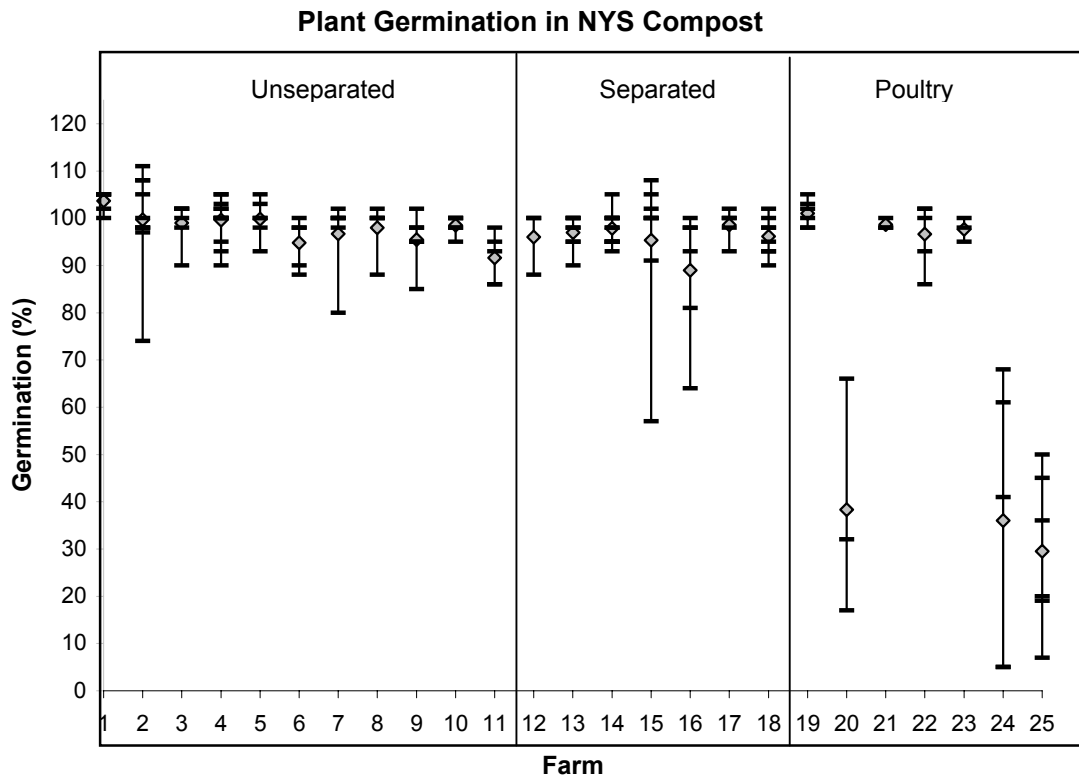


Figure 15-1. Plot of plant germination testing results. Diamonds indicate average value and tick marks represent single sample values. Bars show range of values. Values exceeding 100% indicate better germination in the compost vs. a control.

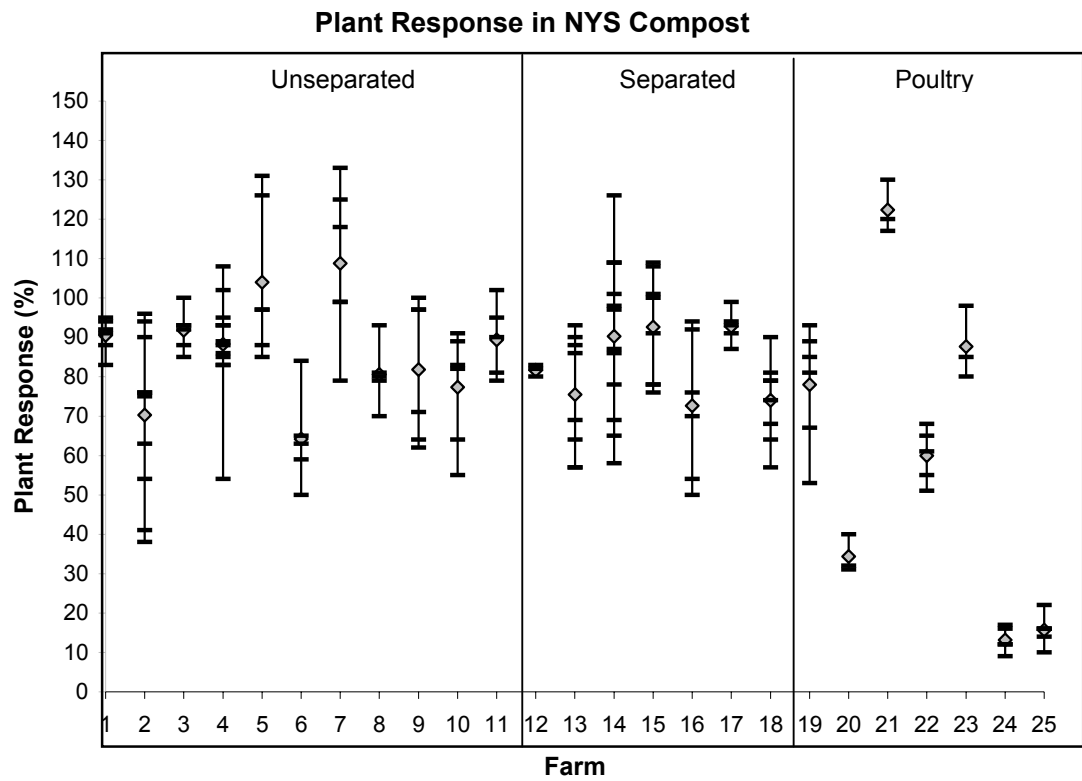


Figure 16-1. Plot of plant response testing results. Diamonds indicate average value and tick marks represent single sample values. Bars show range of values.