

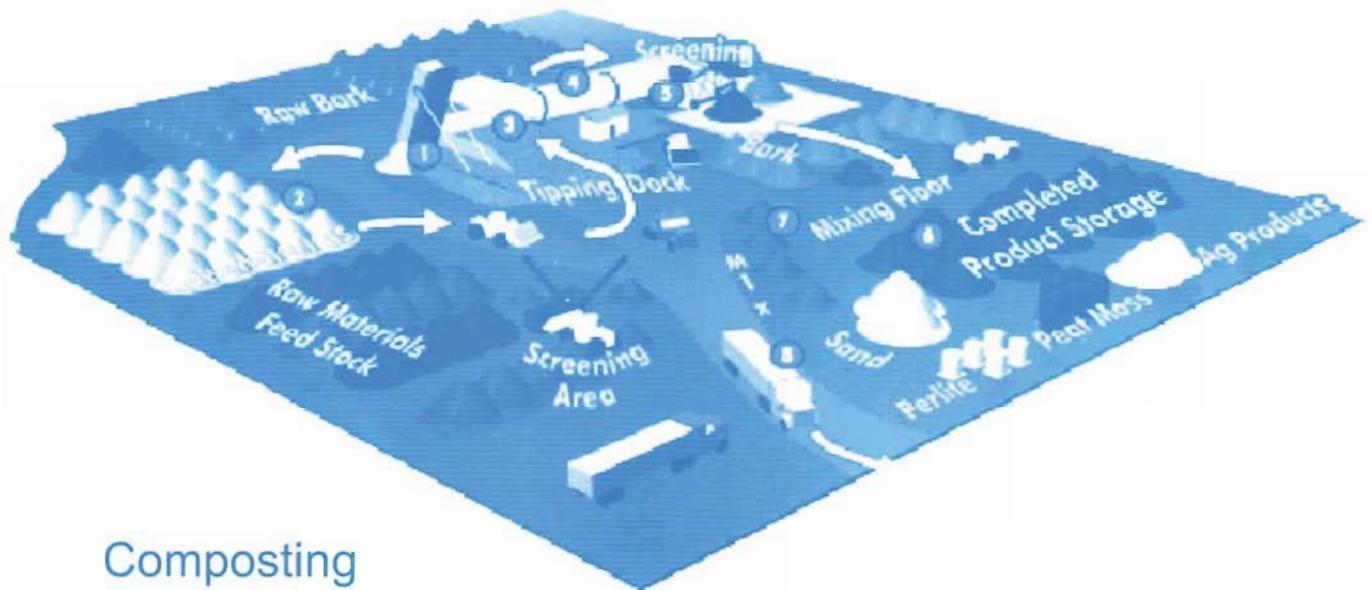


SPECIFICATIONS HANDBOOK



[800] 245-7645
www.vitalearth.com

10 Acre Soil Manufacturing Facility



Composting Process Steps

1. The raw material is unloaded from semi-trailers at the tipping dock with our trailer tipper.
2. The raw material is stored in windrows until it has reached the compost activation state.
3. The raw material is moved to the loading dock and ram-fed into the digester.
4. The material ages and decomposes at an accelerated rate in the digester for a period of three to five days.
5. The composted material is emptied from the digester and screened to size.
6. The compost is transferred to the completed product storage pile or mixed with other materials to make the various product lines.
7. Finally, the completed products are delivered to the customer in bulk or to our bagging warehouse.



706 E. Broadway (800) 245-7645
P.O. Box 1148 (903) 845-2163
Gladewater, TX 75647 Fax (903) 845-2262
vitalearth.com • carlpool.com • vitazyme.com

TO: **Professional Landscape Architects**
FROM: **Scott Hammer, President**
SUBJECT: **Better Plants Through Better Soils**

Vital Earth Resources, Inc. has been supplying the nursery and landscape industry since 1983. We manufacture composts, horticultural soils, and mulches. The purpose of this specifications book is to help landscape architects and contractors become familiar with our quality products. The enclosed specification sheets outline the recommended use, the application procedure, and the test results of the various products. Vital Earth offers a refreshing change from most soil companies; emphasis is placed on **consistency, quality, and fair measure.**

Swedish bio-chemist Eric Eweson spent almost 50 years perfecting the 120-foot long patented rotary digester that Vital Earth uses to manufacture its Composted Peat Replacer and Premium Grade Compost. This digester represents the most efficient means known today for composting plant and animal residues. The Compost is pasteurized by self-generated temperatures exceeding 140 degrees Fahrenheit. Microbial populations of natural soil organisms in the billions per gram, not only generate this heat for the pasteurization, but also rapidly compost raw materials to form soil humus.

Composted Peat Replacer has no equivalent in the industry and is the foundation for our soil mixes. When quality and value of materials is the primary consideration, the choice has been and continues to be Vital Earth. From our non-staining hardwood mulch to our complete bedding soil, we focus on the ultimate success of the end user.

The quality of horticultural soil products varies widely in the marketplace. Some companies market immature composts produced in anaerobic static piles. These low cost, inferior materials are offered to landscape contractors who may be unaware of the damage they can cause. Plants can be deprived of nitrogen and essential nutrients and begin to yellow. Plants may go into shock and ultimately die. A good compost works as a buffer, reduces stress, and provides plants with organic, slow release nutrients from the time of planting. The landscape architect plays an important role in specifying products of proven quality and value, protecting the interests of their clients, and reducing warranty claims.

I hope this specifications handbook becomes a useful tool for you in your business. Samples can be sent to you upon request. Our objective at Vital Earth is to be a soils company you can rely on. You are assured of the same great quality every time. Additional information is available on our website at www.vitalearth.com.

Remember, **better plants through better soils.**



706 E. Broadway (800) 245-7645
P.O. Box 1148 (903) 845-2163
Gladewater, TX 75647 Fax (903) 845-2262
vitalearth.com • carlpool.com • vitazyme.com

TABLE OF CONTENTS

SOILS

Azalea Planting Mix.....	3
Bedding Soil	4
Enriched Topsoil	5
General Purpose Potting Soil.....	6
Mini-pot Mix	7
Ready Rose Mix	8
Seedling Mix	9
Shrub Mix	10
Tree Mix	11
Tropical Mix	12
Growers Ultra Blend.....	13
Ultra Fine	14

SOIL AMENDMENTS

Composted Cotton Burrs.....	15
Composted Peat Replacer	16
Landscaper's Peat Replacer	17
Landscaper's Special	18
Organagro Compost.....	19
Premium Grade Compost.....	20
Rose Peat Compost	21

MULCHES

Bark Mulch (Medium)	22
Bark Mulch (Fine)	23
Hardwood Bark Mulch	24

QUICK REFERENCE CHART ...Inside Back Cover



706 E. Broadway (800) 245-7645
 P.O. Box 1148 (903) 845-2163
 Gladewater, TX 75647 Fax (903) 845-2262

vitalearth.com ● carlpool.com ● vitazyme.com

LIGHTWEIGHT ROOFTOP MIX

FEATURES

- Manufactured Soil
- Consistent Ingredients
- Lightweight
- Highly absorbent
- Drains well
- Naturally acidic pH 6.0 to 6.5

TYPICAL TEST RESULTS

When tested for available water soluble nutrients by the extract method, typical values have been as follows:

Soil pH	6.0 - 6.5	(pH)
Nitrogen (N)	10 - 20	ppm
Phosphorus (P)	0 - 10	ppm
Potassium (K)	150 - 200	ppm
Calcium (Ca)	850 - 900	ppm
Magnesium (Mg)	70 - 90	ppm
Sulfur (S)	50 - 60	ppm
Boron (B)	0.25 - 0.35	ppm
Copper (Cu)	0.35 - 0.45	ppm
Iron (Fe)	1 - 5	ppm
Manganese (Mn)	3 - 6	ppm
Sodium (Na)	-	ppm
Soluble Salts	0.15 - 0.25	mmhos/cm
Zinc (Z)	0.45 - 0.55	ppm

INGREDIENTS

- Fine Bark Mulch - medium aged processed bark with nominal sizing from 1/2" down
- Specially selected long fiber or chunky Peat Moss
- Expanded Shale
- Aged Rice Hulls
- Premium Grade Compost

APPLICATIONS

- Primarily designed for rooftop gardens and high-rise outdoor planters and beds
- Especially useful where live-load weights are critical

GRADATION

Sieve size	% Passing
1 1/2"	100
1"	100
1/2"	95 - 100
1/4"	80 - 90
#10	30 - 40
#40	5 - 10
#100	0 - 10

UNIT WEIGHT

Saturated and Surface dry

25 - 35 lbs/cf



AZALEA PLANTING MIX

706 E. Broadway (800) 245-7645
 P.O. Box 1148 (903) 845-2163
 Gladewater, TX 75647 Fax (903) 845-2262
 vitalearth.com • carlpool.com • vitazyme.com

TYPICAL TEST RESULTS		
When tested for available water soluble nutrients by the extract method, typical values have been as follows:		
Soil pH	4.5 - 5.5	(pH)
Nitrogen (N)	15 - 30	ppm
Phosphorus (P)	35 - 75	ppm
Potassium (K)	50 - 100	ppm
Calcium (Ca)	150 - 300	ppm
Magnesium (Mg)	25 - 75	ppm
Sulfur (S)	25 - 100	ppm
Boron (B)	.1 - 1.0	ppm
Copper (Cu)	.1 - .5	ppm
Iron (Fe)	5 - 10	ppm
Manganese (Ma)	-	ppm
Sodium (Na)	-	ppm
Soluble Salts	.1 - 0.5	mmhos/cm
Zinc (Z)	2 - 10	ppm

GRADATION	
Sieve Size	% Passing
1 1/2"	100
1"	95-100
1/2"	95-100
1/4"	65-85
#10	35-55
#40	10-30
#100	0-10

UNIT WEIGHT
Saturated and surface dry
25-35 lbs/cf

FEATURES

- Soilless Media
- Consistent ingredients—consistent results
- Naturally acidic pH 4.5 to 5.5
- Micronutrients added to prevent chlorosis
- Pre-moistened for immediate use
- Provides natural resistance to root rot when used as directed
- Extraordinary water holding capacity but also well drained

INGREDIENTS

- 6 parts.....Medium aged Pine Bark Mulch with nominal sizing from 1 1/2" and down.
- 4 parts.....Specially selected long fiber or chunky peat moss
- 1.5 lbs/cy....Carl Pool Micropak

APPLICATIONS

1. Primarily designed for azaleas and rhododendrons.
2. Also suitable for camellias, dogwoods, blueberries, and other acid-loving plants.

INSTRUCTIONS

1. Excavate 3 to 4 inches into existing grade, then build a raised bed to at least 12 inches above the surrounding grade.
2. Be sure to remove any soil beneath the bed that is contaminated with mortar containing lime or white limestone rock.
3. Plant and fertilize azaleas in accordance with instructions of your nearest azalea society. We recommend Carl Pool's Acid Azalea 5-20-3 and Instant Azalea 8-55-7.



706 E. Broadway (800) 245-7645
 P.O. Box 1148 (903) 845-2163
 Gladewater, TX 75647 Fax (903) 845-2262
 vitalearth.com • carlpool.com • vitazyme.com

TYPICAL TEST RESULTS

When tested for available water soluble nutrients by the extract method, typical values have been as follows:

Soil pH	6.0 - 6.5	(pH)
Nitrogen (N)	50 - 100	ppm
Phosphorus (P)	40 - 80	ppm
Potassium (K)	200 - 400	ppm
Calcium (Ca)	600 - 1000	ppm
Magnesium (Mg)	100 - 200	ppm
Sulfur (S)	200 - 400	ppm
Boron (B)	1.0 - 1.5	ppm
Copper (Cu)	.5 - 1.0	ppm
Iron (Fe)	3 - 6	ppm
Manganese (Ma)	-	ppm
Sodium (Na)	-	ppm
Soluble Salts	.5 - 1.5	mmhos/cm
Zinc (Z)	4 - 8	ppm

GRADATION

Sieve Size	% Passing
1 1/2"	100
1"	95-100
1/2"	95-100
1/4"	90-100
#10	70-90
#40	50-70
#100	5-20

UNIT WEIGHT

Saturated and surface dry

45-55 lbs/cf

BEDDING SOIL

FEATURES

- Manufactured soil
- Consistent ingredients—consistent results
- Naturally acidic, pH 6.0 to 6.5
- Biologically activated with natural soil organisms
- Rich in organic matter
- Well drained and highly absorbent

INGREDIENTS

- 4 parts.....Medium aged pine bark mulch with nominal sizing from 1 1/2" and down.
- 3 parts.....Composted Peat Replacer—see Composted Peat Replacer spec sheet.
- 3 parts.....Horticultural sand—a naturally occurring loamy sand from Big Sandy, Texas.
- 6 lbs/cyDolomite lime
- 2 lbs/cyAmmonium sulfate 21-0-0

APPLICATIONS

1. A complete soil mix for flower beds, shrubbery beds and tree planters.
2. Can also be used as a soil amendment where both sand and organic materials are needed to amend existing soils.

INSTRUCTIONS

1. Remove undesirable soil to a depth of 6 to 18 inches depending on required rooting depth. Backfill with Vital Earth Bedding Soil.
2. After planting, fertilize with Carl Pool's 13-13-13 or Colorscape following recommended rates.



706 E. Broadway (800) 245-7645
 P.O. Box 1148 (903) 845-2163
 Gladewater, TX 75647 Fax (903) 845-2262
 vitalearth.com • carlpool.com • vitazyme.com

TYPICAL TEST RESULTS

When tested for available water soluble nutrients by the extract method, typical values have been as follows:

Soil pH	6.5 - 7.0	(pH)
Nitrogen (N)	50 - 200	ppm
Phosphorus (P)	50 - 100	ppm
Potassium (K)	200 - 400	ppm
Calcium (Ca)	1000 - 2000	ppm
Magnesium (Mg)	100 - 200	ppm
Sulfur (S)	100 - 400	ppm
Boron (B)	.5 - 2.0	ppm
Copper (Cu)	.5 - 1.5	ppm
Iron (Fe)	4 - 10	ppm
Manganese (Ma)	-	ppm
Sodium (Na)	-	ppm
Soluble Salts	.5 - 1.5	mmhos/cm
Zinc (Z)	4 - 10	ppm

GRADATION

Sieve Size	% Passing
1 1/2"	NA
1"	NA
1/2"	100
1/4"	95-100
#10	90-100
#40	45-65
#100	0-10

UNIT WEIGHT

Saturated and surface dry
80-90 lbs/cf

ENRICHED TOPSOIL

FEATURES

- Manufactured soil
- Consistent ingredients—consistent results
- Well drained, weed-free soil
- Resists compaction to maintain percolation and aeration
- Rich in organic matter providing natural fertility

INGREDIENTS

- 3 partsHorticultural sand—a naturally occurring loamy sand from Big Sandy, Texas
- 7 partsVital Earth Composted Peat Replacer—see Composted Peat Replacer spec sheet

APPLICATIONS

1. Designed especially for establishing turf grass on lawns.
2. Useful for lawn level up and establishing grass under trees.
3. Used as soil amendment for establishing turf grass on heavy clay soils where both sand and organics are needed.

SAMPLE SPECIFICATIONS

1. Turf grass areas should be established on a minimum of 6 inches of Vital Earth Enriched Topsoil.
2. Fill in desired area with topsoil, fertilize at a normal rate.
3. If used in a bed for direct planting, incorporate pine bark to add porosity and to prevent crusting.



706 E. Broadway (800) 245-7645
 P.O. Box 1148 (903) 845-2163
 Gladewater, TX 75647 Fax (903) 845-2262
 vitalearth.com • carlpool.com • vitazyme.com

TYPICAL TEST RESULTS

When tested for available water soluble nutrients by the extract method, typical values have been as follows:

Soil pH	6.0 - 6.5	(pH)
Nitrogen (N)	50 - 100	ppm
Phosphorus (P)	40 - 70	ppm
Potassium (K)	200 - 400	ppm
Calcium (Ca)	600 - 1000	ppm
Magnesium (Mg)	100 - 200	ppm
Sulfur (S)	100 - 400	ppm
Boron (B)	.5 - 1.5	ppm
Copper (Cu)	.5 - 1.5	ppm
Iron (Fe)	4 - 6	ppm
Manganese (Ma)	-	ppm
Sodium (Na)	-	ppm
Soluble Salts	.5 - 1.5	mmhos/cm
Zinc (Z)	4 - 10	ppm

GRADATION

Sieve Size	% Passing
1 1/2"	100
1"	95-100
1/2"	80-100
1/4"	60-80
#10	55-75
#40	20-40
#100	0-10

UNIT WEIGHT

Saturated and surface dry
35-45 lbs/cf

GENERAL PURPOSE POTTING SOIL

FEATURES

- Soilless media
- Consistent ingredients—consistent results
- Biologically activated with aerobic soil microorganisms
- Naturally acidic, pH 6.0 to 6.5
- High cationic exchange capacity
- Rich in organic matter
- Well drained yet highly absorbent
- Naturally occurring macronutrients allow for reduction in slow-release fertilizers up to one half the manufacturer's recommended rate
- Micronutrients are an integral part of the soil

INGREDIENTS

- 7 partsMedium aged pine bark mulch with nominal sizing from 1 1/2" and down
- 3 partsVital Earth Composted Peat Replacer—see Composted Peat Replacer spec sheet
- 1/2 partHorticultural sand—a naturally occurring sharp sand from Big Sandy, Texas
- 6 lbs/cyDolomite lime
- 2 lbs/cyAmmonium sulfate 21-0-0

APPLICATIONS

1. Primarily used for woody ornamentals potted in 1-gallon or larger pots.
2. Also suitable for planter boxes and other containers.
3. Used as a bedding soil where a lightweight, well-drained soil is desired and irrigation is provided.

INSTRUCTIONS

1. For container growing with overhead irrigation, best results are obtained with the use of slow-release fertilizers at the recommended rate.
2. For planters and other uses where leaching is not as intense, a normal periodic feeding program will be needed for the first year until the natural release of organic nitrogen begins to occur.



706 E. Broadway (800) 245-7645
 P.O. Box 1148 (903) 845-2163
 Gladewater, TX 75647 Fax (903) 845-2262
 vitalearth.com • carlpool.com • vitazyme.com

TYPICAL TEST RESULTS

When tested for available water soluble nutrients by the extract method, typical values have been as follows:

Soil pH	6.0 - 6.5	(pH)
Nitrogen (N)	50 - 100	ppm
Phosphorus (P)	40 - 70	ppm
Potassium (K)	200 - 400	ppm
Calcium (Ca)	600 - 1000	ppm
Magnesium (Mg)	100 - 200	ppm
Sulfur (S)	100 - 400	ppm
Boron (B)	.5 - 1.5	ppm
Copper (Cu)	.5 - 1.5	ppm
Iron (Fe)	4 - 6	ppm
Manganese (Ma)	-	ppm
Sodium (Na)	-	ppm
Soluble Salts	.5 - 1.5	mmhos/cm
Zinc (Z)	4 - 10	ppm

GRADATION

Sieve Size	% Passing
1 1/2"	NA
1"	100
1/2"	95-100
1/4"	85-95
#10	55-75
#40	20-40
#100	0-10

UNIT WEIGHT

Saturated and surface dry
30-40 lbs/cf

MINI-POT MIX

FEATURES

- Soilless media
- Biologically activated with aerobic soil microorganisms
- Naturally acidic, pH 6.0 to 6.5
- High cationic exchange capacity
- Rich in organic matter
- Finely graded, well drained yet highly absorbent
- Naturally occurring macronutrients allow for reduction in slow release fertilizers up to one-half the manufacturers recommended rate
- Micronutrients are an integral part of the soil

INGREDIENTS

- 7 parts.....Fine pine bark mulch—medium aged processed bark with nominal sizing from 1/2" down
- 3 parts.....Vital Earth Composted Peat Replacer—see Composted Peat Replacer spec sheet
- 1/2 part.....Horticultural sand—a naturally occurring sharp sand from Big Sandy, Texas
- 6 lbs/cy.....Dolomite lime
- 2 lbs/cy.....Ammonium sulfate 21-0-0

APPLICATIONS

1. Primarily used for woody ornamentals and ground covers potted in 4" to 1 gallon pots.
2. Also used for rooting cuttings of woody ornamentals and ground covers.

INSTRUCTIONS

1. For container growing with overhead irrigation, best results are obtained with the use of slow release fertilizers at the recommended rate.
2. For rooting cuttings, a mist system is recommended and no fertilizer is needed until roots are established.



**Vital Earth
Resources**

706 E. Broadway (800) 245-7645
 P.O. Box 1148 (903) 845-2163
 Gladewater, TX 75647 Fax (903) 845-2262
 vitalearth.com • carlpool.com • vitazyme.com

TYPICAL TEST RESULTS

When tested for available water soluble nutrients by the extract method, typical values have been as follows:

Soil pH	5.5 - 6.5	(pH)
Nitrogen (N)	50 - 100	ppm
Phosphorus (P)	30 - 60	ppm
Potassium (K)	30 - 60	ppm
Calcium (Ca)	100 - 200	ppm
Magnesium (Mg)	10 - 30	ppm
Sulfur (S)	10 - 30	ppm
Boron (B)	-	ppm
Copper (Cu)	.3 - 1.5	ppm
Iron (Fe)	10 - 50	ppm
Manganese (Ma)	1 - 2	ppm
Sodium (Na)	5 - 20	ppm
Soluble Salts	-	mmhos/cm
Zinc (Z)	.1 - 1.5	ppm

GRADATION

Sieve Size	% Passing
1 1/2"	100
1"	95-100
1/2"	90-100
1/4"	70-90
#10	50-70
#40	10-30
#100	0-10

UNIT WEIGHT

Saturated and surface dry
30-40 lbs/cf

READY ROSE MIX

FEATURES

- Soilless media
- Consistent ingredients—consistent results
- Biologically activated with aerobic soil micro-organisms
- Naturally acidic, pH 5.5 to 6.5
- High cationic exchange capacity
- Rich in organic matter
- Well drained yet highly absorbent

INGREDIENTS

- 5 partsMedium aged pine bark mulch with nominal sizing from 1 1/2" and down
- 5 partsVital Earth Rose Peat Compost—see Rose Peat Compost spec sheet
- 1/2 part.....Horticultural sand—sharp sand from Big Sandy, Texas

APPLICATIONS

1. A complete soil, primarily designed for container grown roses in one gallon pots and up. Reduces fertilizer leach in container grown plants.
2. Also used for building and renovating rose beds.
3. Can be used as a soil amendment for a wide variety of woody ornamentals. Ready Rose Mix will break up clay, add soil absorption, and provide essential plant nutrients.

INSTRUCTIONS

1. When building a new bed, replace top 6 inches of soil with Ready Rose Mix. Till sub-soil to encourage proper rooting. Best results are obtained when used with Carl Pool's Acid Rose Food at a rate of one cup per medium size rose bush.
2. When used as a soil amendment, simply mix 50/50 with existing soil.



706 E. Broadway (800) 245-7645
 P.O. Box 1148 (903) 845-2163
 Gladewater, TX 75647 Fax (903) 845-2262
 vitalearth.com • carlpool.com • vitazyme.com

TYPICAL TEST RESULTS

When tested for available water soluble nutrients by the extract method, typical values have been as follows:

Soil pH	6.0 - 6.5	(pH)
Nitrogen (N)	50 - 100	ppm
Phosphorus (P)	75 - 150	ppm
Potassium (K)	200 - 400	ppm
Calcium (Ca)	600 - 1000	ppm
Magnesium (Mg)	100 - 200	ppm
Sulfur (S)	100 - 400	ppm
Boron (B)	.4 - 2.0	ppm
Copper (Cu)	.4 - 1.5	ppm
Iron (Fe)	5 - 8	ppm
Manganese (Ma)	25 - 60	ppm
Sodium (Na)	-	ppm
Soluble Salts	.5 - 1.5	mmhos/cm
Zinc (Z)	4 - 10	ppm

GRADATION

Sieve Size	% Passing
1 1/2"	NA
1"	100
1/2"	95-100
1/4"	85-95
#10	55-75
#40	20-40
#100	0-10

UNIT WEIGHT

Saturated and surface dry
25-35 lbs/cf

SEEDLING MIX

FEATURES

- Soilless media
- Consistent ingredients—consistent results
- Biologically activated with aerobic soil microorganisms
- Naturally acidic, pH 6.0 to 6.5
- High cationic exchange capacity
- Rich in organic matter
- Finely graded, well drained yet highly absorbent
- Naturally occurring macronutrients allow for reduction in slow release fertilizers up to one-half the manufacturers recommended rate
- Micronutrients are an integral part of the soil

INGREDIENTS

- 6.5 parts.....Fine pine bark mulch—medium aged processed bark with nominal sizing from 1/2" down
- 2 parts.....Fine Canadian Sphagnum Peat Moss
- 1 part.....Organagro Compost—see Organagro Compost spec sheet
- 1/2 part.....Horticultural sand—a naturally occurring sharp sand from Big Sandy, Texas
- 6 lbs/cy.....Fine Carl Pool Dolomite lime
- 2 lbs/cy.....Ammonium sulfate 21-0-0
- 1/2 lb/cyCarl Pool Micropak
- 1 lb/cyTriple Super Phosphate 0-44-0

APPLICATIONS

1. Primarily used for woody ornamentals grown from seed.
2. Also used for rooting cuttings of woody ornamentals and ground covers.

INSTRUCTIONS

1. For container growing with overhead irrigation, best results are obtained with the use of slow release fertilizers at the recommended rate.
2. For rooting cuttings, a mist system is recommended and no fertilizer is needed until roots are established.



706 E. Broadway (800) 245-7645
 P.O. Box 1148 (903) 845-2163
 Gladewater, TX 75647 Fax (903) 845-2262
 vitalearth.com • carlpool.com • vitazyme.com

TYPICAL TEST RESULTS

When tested for available water soluble nutrients by the extract method, typical values have been as follows:

Soil pH	6.0 - 6.5	(pH)
Nitrogen (N)	30 - 150	ppm
Phosphorus (P)	25 - 75	ppm
Potassium (K)	200 - 400	ppm
Calcium (Ca)	1000 - 2000	ppm
Magnesium (Mg)	100 - 200	ppm
Sulfur (S)	100 - 400	ppm
Boron (B)	.5 - 2.0	ppm
Copper (Cu)	.5 - 1.5	ppm
Iron (Fe)	4 - 10	ppm
Manganese (Ma)	-	ppm
Sodium (Na)	-	ppm
Soluble Salts	.5 - 1.5	mmhos/cm
Zinc (Z)	4 - 10	ppm

GRADATION

Sieve Size	% Passing
1 1/2"	NA
1"	NA
1/2"	100
1/4"	95 - 100
#10	90 - 100
#40	45 - 65
#100	0 - 10

UNIT WEIGHT

Saturated and surface dry
80-90 lbs/cf

SHRUB MIX

FEATURES

- Soilless media
- Consistent ingredients—consistent results
- Biologically activated with aerobic soil microorganisms
- Naturally acidic, pH 6.0 to 6.5
- High cationic exchange capacity
- Rich in organic matter
- Finely graded, well drained yet highly absorbent
- Naturally occurring macronutrients allow for reduction in slow release fertilizers up to one-half the manufacturers recommended rate
- Micronutrients are an integral part of the soil

INGREDIENTS

- 8 parts.....Medium aged pine bark mulch with nominal sizing from 1 1/2" and down
- 2 parts.....Organagro Compost—see Organagro Compost spec sheet
- 1/2 part.....Concrete Sand
- 6 lbs/cy.....Fine Carl Pool Dolomite lime
- 2 lbs/cy.....Ammonium sulfate 21-0-0
- 2 lbs/cy.....Carl Pool Microblast Micronutrient Package

APPLICATIONS

1. Primarily used for woody ornamentals potted in 1-gallon or larger pots.
2. Also suitable for planter boxes and other containers.
3. Used as a bedding soil where a lightweight, well-drained soil is desired and irrigation is provided.

INSTRUCTIONS

1. For container growing with overhead irrigation, best results are obtained with the use of slow release fertilizers at the recommended rate.
2. For planters and other uses where leaching is not as intense, a normal periodic feeding program will be needed for the first year until the natural release of organic nitrogen begins to occur.



706 E. Broadway (800) 245-7645
 P.O. Box 1148 (903) 845-2163
 Gladewater, TX 75647 Fax (903) 845-2262
 vitalearth.com • carlpool.com • vitazyme.com

TYPICAL TEST RESULTS

When tested for available water soluble nutrients by the extract method, typical values have been as follows:

Soil pH	6.0 - 6.5	(pH)
Nitrogen (N)	50 - 100	ppm
Phosphorus (P)	40 - 70	ppm
Potassium (K)	200 - 400	ppm
Calcium (Ca)	600 - 1000	ppm
Magnesium (Mg)	100 - 200	ppm
Sulfur (S)	100 - 400	ppm
Boron (B)	.5 - 1.0	ppm
Copper (Cu)	.5 - 1.5	ppm
Iron (Fe)	4 - 6	ppm
Manganese (Ma)	-	ppm
Sodium (Na)	-	ppm
Soluble Salts	.5 - 1.5	mmhos/cm
Zinc (Z)	4 - 10	ppm

GRADATION

Sieve Size	% Passing
1 1/2"	100
1"	95-100
1/2"	80-100
1/4"	60-80
#10	55-75
#40	20-40
#100	0-10

UNIT WEIGHT

Saturated and surface dry

35-40 lbs/cf

TREE MIX

FEATURES

- Soilless media
- Consistent ingredients—consistent results
- Biologically activated with aerobic soil microorganisms
- Naturally acidic, pH 6.0 to 6.5
- High cationic exchange capacity
- Rich in organic matter
- Well drained yet highly absorbent
- Naturally occurring macronutrients allow for reduction in slow-release fertilizers up to one-half the manufacturers recommended rate

INGREDIENTS

- 8 partsMedium aged pine bark mulch—with nominal sizing from 1 1/2" and down
- 1 partVital Earth Composted Peat Replacer—see Composted Peat Replacer spec sheets
- 1 partHorticultural sand—naturally occurring sharp sand from Big Sandy, Texas
- 6 lbs/cyCarl Pool fine lime
- 2 lbs/cyAmmonium sulfate 21-0-0
- 1.5 lbs/cyCarl Pool Micropak Granular

APPLICATIONS

1. Primary use is for trees potted in 5-gallon or larger pots.
2. Also used for planter boxes or other containers.
3. Used as a bedding soil where lightweight, well-drained soil is desired and irrigation is provided.

INSTRUCTIONS

1. For container growing with overhead irrigations, best results are obtained with the use of slow-release fertilizers such as Carl Pool's 18-6-12 or 13-13-13.
2. For planters and other uses where leaching is not as intense, a normal periodic feeding program will be needed for the first year until the natural release of organic nitrogen begins to occur.



**Vital[®]Earth
Resources**

706 E. Broadway (800) 245-7645
P.O. Box 1148 (903) 845-2163
Gladewater, TX 75647 Fax (903) 845-2262
vitalearth.com • carlpool.com • vitazyme.com

TYPICAL TEST RESULTS

When tested for available water soluble nutrients by the extract method, typical values have been as follows:

Soil pH	6.0 - 6.5	(pH)
Nitrogen (N)	50 - 100	ppm
Phosphorus (P)	50 - 100	ppm
Potassium (K)	200 - 400	ppm
Calcium (Ca)	600 - 1000	ppm
Magnesium (Mg)	100 - 200	ppm
Sulfur (S)	200 - 400	ppm
Boron (B)	.5 - 1.5	ppm
Copper (Cu)	.4 - 1.0	ppm
Iron (Fe)	3 - 6	ppm
Manganese (Ma)	-	ppm
Sodium (Na)	-	ppm
Soluble Salts	.5 - 1.5	mmhos/cm
Zinc (Z)	-	ppm

GRADATION

Sieve Size	% Passing
1 1/2"	NA
1"	100
1/2"	95-100
1/4"	85-95
#10	45-70
#40	10-30
#100	0-10

UNIT WEIGHT

Saturated and surface dry
30-40 lbs/cf

TROPICAL MIX

FEATURES

- Manufactured soil
- Consistent ingredients—consistent results
- Lightweight and highly absorbent
- Naturally acidic, pH 6.0 to 6.5
- Biologically activated with natural soil organisms
- Rich in organic matter

INGREDIENTS

- 5 partsFine aged Pine Bark Mulch with nominal sizing from 1/2" and down
- 2 partsComposted Peat Replacer—see Composted Peat Replacer spec sheet
- 2 partsCanadian peat moss
- 1 partHorticultural perlite
- 6 lbs/cyDolomite lime
- 2 lbs/cyAmmonium sulfate 21-0-0

APPLICATIONS

1. Primarily designed for potting tropicals in 6" or larger pots.
2. Also useful for hanging baskets or other applications where a lighter or more absorbent potting soil is required.

INSTRUCTIONS

For container growing, best results are obtained with the use of slow release fertilizers such as Carl Pool's 18-6-12, 13-13-13 or Colorsclapes.



706 E. Broadway (800) 245-7645
 P.O. Box 1148 (903) 845-2163
 Gladewater, TX 75647 Fax (903) 845-2262
 vitalearth.com • carlpool.com • vitazyme.com

TYPICAL TEST RESULTS

When tested for available water soluble nutrients by the extract method, typical values have been as follows:

Soil pH	5.5 - 6.5	(pH)
Nitrogen (N)	200+	ppm
Phosphorus (P)	50 - 100	ppm
Potassium (K)	300 - 600	ppm
Calcium (Ca)	500 - 800	ppm
Magnesium (Mg)	200 - 300	ppm
Sulfur (S)	150 - 250	ppm
Boron (B)	.5 - 1.5	ppm
Copper (Cu)	.4 - 1.0	ppm
Iron (Fe)	3 - 5	ppm
Manganese (Ma)	7 - 15	ppm
Sodium (Na)	-	ppm
Soluble Salts	-	mmhos/cm
Zinc (Z)	5 - 10	ppm

GRADATION

Sieve Size	% Passing
1 1/2"	NA
1"	100
1/2"	95-100
1/4"	85-95
#10	45-70
#40	10-30
#100	0-10

UNIT WEIGHT

Saturated and surface dry
25-35 lbs/cf

GROWERS ULTRA BLEND

SOILS

FEATURES

- Manufactured soil
- Consistent ingredients—consistent results
- Lightweight and highly absorbent
- Naturally acidic, pH 5.5 to 6.5
- Biologically activated with natural soil organisms
- Rich in organic matter
- Extraordinary water holding capacity but also well drained
- Premixed with a Carl Pool starter fertilizer package

INGREDIENTS

- Canadian peat moss
- Organic compost
- Perlite
- Aged fine pine bark
- Wetting agent
- Carl Pool starter fertilizer package

APPLICATIONS

1. Designed for use in 4 inch containers and up.
2. Works well in hanging baskets.
3. Suitable for bedding plants, cuttings, and flowering plants.

INSTRUCTIONS

1. Carl Pool's Ultra Blend starter charge is good for 7-14 days. However, using a complete fertilizer after wetdown is recommended.
2. Planters should have good bottom drainage.
3. Depth of soil should match rooting depth of desired plants.



706 E. Broadway (800) 245-7645
 P.O. Box 1148 (903) 845-2163
 Gladewater, TX 75647 Fax (903) 845-2262
 vitalearth.com • carlpool.com • vitazyme.com

TYPICAL TEST RESULTS

When tested for available water soluble nutrients by the extract method, typical values have been as follows:

Soil pH	5.5 - 6.5	(pH)
Nitrogen (N)	200+	ppm
Phosphorus (P)	50 - 100	ppm
Potassium (K)	500 - 750	ppm
Calcium (Ca)	500 - 800	ppm
Magnesium (Mg)	200 - 300	ppm
Sulfur (S)	150 - 250	ppm
Boron (B)	.5 - 1.5	ppm
Copper (Cu)	.4 - 1.0	ppm
Iron (Fe)	3 - 5	ppm
Manganese (Ma)	-	ppm
Sodium (Na)	-	ppm
Soluble Salts	-	mmhos/cm
Zinc (Z)	-	ppm

ULTRA FINE

FEATURES

- Manufactured soil
- Consistent ingredients—consistent results
- Lightweight and highly absorbent
- Naturally acidic, pH 5.5 to 6.5
- Biologically activated with natural soil organisms
- Rich in organic matter
- Extraordinary water holding capacity but also well drained
- Premixed with a Carl Pool starter fertilizer package

INGREDIENTS

- Canadian peat moss
- Organic compost
- Perlite
- Aged rice hulls
- Wetting agent

APPLICATIONS

1. Designed for use where a fine soil is required.
2. Works well in hanging baskets.
3. Suitable for bedding plants, cuttings, and flowering plants.
4. May be used in seed tray and plug production.

INSTRUCTIONS

1. Ultra Fine's Carl Pool starter charge is good for 7-14 days. However, we do suggest using a complete fertilizer after wetdown.
2. Planters should have good bottom drainage.
3. Depth of soil should match rooting depth of desired plants.



706 E. Broadway (800) 245-7645
 P.O. Box 1148 (903) 845-2163
 Gladewater, TX 75647 Fax (903) 845-2262
 vitalearth.com • carlpool.com • vitazyme.com

COMPOSTED COTTON BURRS

FEATURES

- High in nitrogen
- Well composted
- Has excellent moisture retention

INGREDIENTS

- Cotton gin by product

APPLICATIONS

1. Used primarily to enrich existing soils for planting either grass or shrubbery.
2. Especially useful for preparing beds for color changes.

INSTRUCTIONS

1. For new plantings, apply 2 to 3 inches of Composted Cotton Burrs and mix 6 to 8 inches deep.
2. For color changes, add 1 to 2 inches and work into top 4 inches of soil.
3. On existing shrubbery, apply 1 to 2 inches above root zone and work into soil. Apply mulch if desired.

TYPICAL TEST RESULTS

When tested for available water soluble nutrients by the extract method, typical values have been as follows:

Soil pH	-	(pH)
Nitrogen (N)	200 - 300	ppm
Phosphorus (P)	50 - 100	ppm
Potassium (K)	50 - 100	ppm
Calcium (Ca)	150 - 200	ppm
Magnesium (Mg)	50 - 100	ppm
Sulfur (S)	50 - 100	ppm
Boron (B)	-	ppm
Copper (Cu)	.1 - 5	ppm
Iron (Fe)	10 - 50	ppm
Manganese (Ma)	.5 - 25	ppm
Sodium (Na)	2 - 20	ppm
Soluble Salts	-	mmhos/cm
Zinc (Z)	.1 - 5	ppm

GRADATION

Sieve Size	% Passing
1 1/2"	NA
1"	100
1/2"	95
1/4"	79
#10	40-45
#40	35-40
#100	1-10

UNIT WEIGHT

Saturated and surface dry
40-50 lbs/cf

SOIL AMENDMENTS



COMPOSTED PEAT REPLACER

706 E. Broadway (800) 245-7645
 P.O. Box 1148 (903) 845-2163
 Gladewater, TX 75647 Fax (903) 845-2262
 vitalearth.com • carlpool.com • vitazyme.com

FEATURES

- Lightweight compost
- Highly absorbent
- Contains all the micronutrients essential for plant growth
- Homogenized and pasteurized at over 140° F
- A peat moss substitute for many applications

INGREDIENTS

- Hardwood sawdust
- Poultry litter
- Grain by-products
- Mineral supplement

APPLICATIONS

1. Can be used as a soil amendment or potting soil mixing ingredient at amounts up to 30% by volume.
2. Basic ingredient for all of Vital Earth's blended products—refer to other product sheets.

INSTRUCTIONS

1. For new plantings, apply 2 to 3 inches of Composted Peat Replacer and mix 6 to 8 inches deep.
2. For color changes, add 1 to 2 inches and work into top 4 inches of soil.
3. On existing shrubbery, apply 1 to 2 inches above root zone and work into soil. Apply mulch if desired.

SOIL AMENDMENTS

TYPICAL TEST RESULTS

When tested for available water soluble nutrients by the extract method, typical values have been as follows:

Soil pH	6.0 - 7.0	(pH)
Nitrogen (N)	70 - 100	ppm
Phosphorus (P)	30 - 60	ppm
Potassium (K)	50 - 100	ppm
Calcium (Ca)	100 - 200	ppm
Magnesium (Mg)	10 - 30	ppm
Sulfur (S)	10 - 30	ppm
Boron (B)	-	ppm
Copper (Cu)	.3 - 1.5	ppm
Iron (Fe)	15 - 40	ppm
Manganese (Ma)	2 - 3	ppm
Sodium (Na)	5 - 20	ppm
Soluble Salts	-	mmhos/cm
Zinc (Z)	5 - 1.5	ppm

GRADATION

Sieve Size	% Passing
1 1/2"	NA
1"	NA
1/2"	100
1/4"	95-100
#10	60-80
#40	5-20
#100	0-5

UNIT WEIGHT

Saturated and surface dry
40-50 lbs/cf



706 E. Broadway (800) 245-7645
 P.O. Box 1148 (903) 845-2163
 Gladewater, TX 75647 Fax (903) 845-2262
 vitalearth.com • carlpool.com • vitazyme.com

LANDSCAPER'S PEAT REPLACER

FEATURES

- Complete soil renovator
- Enhances soil aeration & tilth
- Naturally acidic-pH 5.5 to 6.5
- Provides essential soil nutrients
- Enhances soil absorbency

INGREDIENTS

- 1 part.....Medium aged pine bark mulch with nominal sizing from 1 1/2" and down
- 1 part.....Vital Earth Composted Peat Replacer—see Composted Peat Replacer spec sheet

APPLICATIONS

1. Primarily designed to amend existing soil to prepare beds for planting flowers or shrubbery.
2. Useful for bed preparations during color changes.

INSTRUCTIONS

1. Apply sufficient Peat Replacer to existing soils so that the mixed proportions will be 1/3 to 1/2 Peat Replacer. Mix in thoroughly.
2. Fertilize area after planting with Carl Pool's 13-13-13 or Colorscares.

TYPICAL TEST RESULTS

When tested for available water soluble nutrients by the extract method, typical values have been as follows:

Soil pH	5.5 - 6.5	(pH)
Nitrogen (N)	50 - 100	ppm
Phosphorus (P)	30 - 60	ppm
Potassium (K)	30 - 60	ppm
Calcium (Ca)	100 - 200	ppm
Magnesium (Mg)	10 - 30	ppm
Sulfur (S)	10 - 30	ppm
Boron (B)	-	ppm
Copper (Cu)	.3 - 1.5	ppm
Iron (Fe)	10 - 50	ppm
Manganese (Ma)	1 - 2	ppm
Sodium (Na)	5 - 20	ppm
Soluble Salts	-	mmhos/cm
Zinc (Z)	.1 - 1.5	ppm

GRADATION

Sieve Size	% Passing
1 1/2"	100
1"	95-100
1/2"	90-100
1/4"	70-90
#10	50-70
#40	10-30
#100	0-10

UNIT WEIGHT

Saturated and surface dry
35-45 lbs/cf

SOIL AMENDMENTS



706 E. Broadway (800) 245-7645
 P.O. Box 1148 (903) 845-2163
 Gladewater, TX 75647 Fax (903) 845-2262
 vitalearth.com • carlpool.com • vitazyme.com

LANDSCAPER'S SPECIAL

SOIL AMENDMENTS

TYPICAL TEST RESULTS

When tested for available water soluble nutrients by the extract method, typical values have been as follows:

Soil pH	5.5 - 6.5	(pH)
Nitrogen (N)	50 - 100	ppm
Phosphorus (P)	30 - 60	ppm
Potassium (K)	30 - 60	ppm
Calcium (Ca)	100 - 200	ppm
Magnesium (Mg)	10 - 30	ppm
Sulfur (S)	10 - 30	ppm
Boron (B)	-	ppm
Copper (Cu)	.3 - 1.5	ppm
Iron (Fe)	10 - 50	ppm
Manganese (Ma)	1 - 2	ppm
Sodium (Na)	5 - 20	ppm
Soluble Salts	-	mmhos/cm
Zinc (Z)	.1 - .5	ppm

GRADATION

Sieve Size	% Passing
1 1/2"	100
1"	95-100
1/2"	90-100
1/4"	70-90
#10	50-70
#40	10-30
#100	0-10

UNIT WEIGHT

Saturated and surface dry
35-45 lbs/cf

FEATURES

- Complete soil renovator
- Enhances soil aeration & tilth
- Naturally acidic-pH 5.5 to 6.5
- Provides essential soil nutrients
- Enhances soil absorbency

INGREDIENTS

- 1 part.....Medium aged pine bark mulch with nominal sizing from 1 1/2" and down
- 1 part.....Vital Earth Rose Peat Compost— see Rose Peat Compost spec sheet

APPLICATIONS

1. Primarily designed to amend existing soil to prepare beds for planting flowers or shrubbery.
2. Useful for bed preparations during color changes.

INSTRUCTIONS

1. Apply sufficient Landscaper's Special to existing soils so that the mixed proportions will be 1/3 to 1/2 Landscaper's Special. Mix in thoroughly.
2. Fertilize area after planting with Carl Pool's 13-13-13 or Colorscares.



ORGANAGRO COMPOST

706 E. Broadway (800) 245-7645
 P.O. Box 1148 (903) 845-2163
 Gladewater, TX 75647 Fax (903) 845-2262
 vitalearth.com • carlpool.com • vitazyme.com

TYPICAL TEST RESULTS

When tested for available water soluble nutrients by the extract method, typical values have been as follows:

Soil pH	6.0 - 7.0	(pH)
Nitrogen (N)	100 - 200	ppm
Phosphorus (P)	100 - 200	ppm
Potassium (K)	20 - 50	ppm
Calcium (Ca)	150 - 200	ppm
Magnesium (Mg)	10 - 100	ppm
Sulfur (S)	10 - 100	ppm
Boron (B)	-	ppm
Copper (Cu)	.3 - 13	ppm
Iron (Fe)	10 - 50	ppm
Manganese (Ma)	.5 - 25	ppm
Sodium (Na)	2 - 20	ppm
Soluble Salts	-	mmhos/cm
Zinc (Z)	10 - 30	ppm

GRADATION

Sieve Size	% Passing
1 1/2"	NA
1"	NA
1/2"	100
1/4"	95-100
#10	60-80
#40	5-20
#100	0-5

UNIT WEIGHT

Saturated and surface dry
35-45 lbs/cf

FEATURES

- 100% natural ingredients
- High in nitrogen
- Has excellent moisture retention
- Mechanically composted in rotary vessel
- Homogenized and pasteurized at over 140° F
- Non-burning, nutrient rich organic plant food

INGREDIENTS

- Hardwood sawdust
- Biosolids

APPLICATIONS

1. Used primarily to enrich existing soils for planting either grass or shrubbery.
2. Especially useful for preparing beds for color changes.
3. Can be utilized by growers to enrich soil blends and reduce fertilizer usage.

INSTRUCTIONS

1. For new plantings, apply 2 to 3 inches of Organagro Compost and mix to a depth of 6 to 8 inches.
2. For color changes, add 1 to 2 inches and work into top 4 inches of soil.
3. On existing shrubbery, apply 1 to 2 inches above root zone and work into soil. Apply mulch if desired.

SOIL AMENDMENTS



706 E. Broadway (800) 245-7645
 P.O. Box 1148 (903) 845-2163
 Gladewater, TX 75647 Fax (903) 845-2262
 vitalearth.com • carlpool.com • vitazyme.com

PREMIUM GRADE COMPOST

FEATURES

- 100% natural ingredients
- Mechanically composted in rotary vessel
- Homogenized and pasteurized at over 140° F
- Non-burning, nutrient rich organic plant food

INGREDIENTS

- Hardwood sawdust
- Poultry litter
- Grain by-products
- Horticultural Trace Elements

APPLICATIONS

1. Used primarily to enrich existing soils for planting either grass or shrubbery.
2. Works well in preparing beds for color changes.

INSTRUCTIONS

1. For new plantings, apply 2 to 3 inches of Premium Grade Compost and mix to a depth of 6 to 8 inches.
2. For color changes, add 1 to 2 inches and work into top 4 inches of soil.
3. On existing shrubbery, apply 1 to 2 inches above root zone and work into soil. Apply mulch if desired.

SOIL AMENDMENTS

TYPICAL TEST RESULTS

When tested for available water soluble nutrients by the extract method, typical values have been as follows:

Soil pH	-	(pH)
Nitrogen (N)	100 - 200	ppm
Phosphorus (P)	50 - 100	ppm
Potassium (K)	50 - 100	ppm
Calcium (Ca)	100 - 200	ppm
Magnesium (Mg)	10 - 30	ppm
Sulfur (S)	10 - 40	ppm
Boron (B)	-	ppm
Copper (Cu)	.3 - 13	ppm
Iron (Fe)	10 - 20	ppm
Manganese (Ma)	.5 - 25	ppm
Sodium (Na)	10 - 20	ppm
Soluble Salts	-	mmhos/cm
Zinc (Z)	1 - 2	ppm

GRADATION

Sieve Size	% Passing
1 1/2"	NA
1"	NA
1/2"	100
1/4"	95-100
#10	70-90
#40	10-30
#100	0-5

UNIT WEIGHT

Saturated and surface dry
40-50 lbs/cf



706 E. Broadway (800) 245-7645
 P.O. Box 1148 (903) 845-2163
 Gladewater, TX 75647 Fax (903) 845-2262
 vitalearth.com • carlpool.com • vitazyme.com

ROSE PEAT COMPOST

FEATURES

- Lightweight compost providing micronutrients
- Biologically activated with aerobic soil microorganisms
- Enhances soil absorbency

INGREDIENTS

- Hardwood sawdust
- Biosolids
- Horticultural trace elements

APPLICATIONS

1. Primarily designed to be used in soil mixes to provide water retention and micronutrients.
2. Works well with pine bark mulch to make potting soil blends.

INSTRUCTIONS

1. Best results are obtained when mixed at a 20 to 30 percent ratio with pine bark mulch.
2. For color changes, add 1 to 2 inches and work into top 4 inches of soil.
3. On existing shrubbery, apply 1 to 2 inches above root zone and work into soil. Apply mulch if desired.

TYPICAL TEST RESULTS

When tested for available water soluble nutrients by the extract method, typical values have been as follows:

Soil pH	-	(pH)
Nitrogen (N)	75 - 150	ppm
Phosphorus (P)	50 - 75	ppm
Potassium (K)	75 - 100	ppm
Calcium (Ca)	40 - 150	ppm
Magnesium (Mg)	20 - 40	ppm
Sulfur (S)	20 - 30	ppm
Boron (B)	-	ppm
Copper (Cu)	1 - 5	ppm
Iron (Fe)	20 - 70	ppm
Manganese (Ma)	2 - 5	ppm
Sodium (Na)	10 - 25	ppm
Soluble Salts	-	mmhos/cm
Zinc (Z)	-	ppm

GRADATION

Sieve Size	% Passing
1 1/2"	100
1"	95-100
1/2"	95-100
1/4"	65-85
#10	35-55
#40	10-30
#100	0-10

UNIT WEIGHT

Saturated and surface dry

35-45 lbs/cf

SOIL AMENDMENTS



706 E. Broadway (800) 245-7645
 P.O. Box 1148 (903) 845-2163
 Gladewater, TX 75647 Fax (903) 845-2262
 vitalearth.com • carlpool.com • vitazyme.com

TYPICAL TEST RESULTS

When tested for available water soluble nutrients by the extract method, typical values have been as follows:

Soil pH	5.0 - 6.0	(pH)
Nitrogen (N)	20 - 30	ppm
Phosphorus (P)	5 - 15	ppm
Potassium (K)	5 - 20	ppm
Calcium (Ca)	30 - 50	ppm
Magnesium (Mg)	5 - 10	ppm
Sulfur (S)	5 - 10	ppm
Boron (B)	-	ppm
Copper (Cu)	.05 - .2	ppm
Iron (Fe)	5 - 20	ppm
Manganese (Ma)	.5 - 1.5	ppm
Sodium (Na)	1 - 2	ppm
Soluble Salts	-	mmhos/cm
Zinc (Z)	.1 - .5	ppm

GRADATION

Sieve Size	% Passing
1 1/2"	100
1"	90-95
1/2"	40-50
1/4"	20-30
#10	10-20
#40	5-10
#100	0-5

UNIT WEIGHT

Saturated and surface dry
25-35 lbs/cf

BARK MULCH (MEDIUM)

FEATURES

- Consists primarily of YARD BARK which falls from the logs through handling. (Not removed with a mechanical debarker!)
- Very low in fresh cambium
- Very low in wood particles
- Aged but not rotten

INGREDIENT

Pine bark primarily from short leaf and loblolly pine

APPLICATIONS

1. Mulch for weed prevention and moisture retention.
2. Lightweight soilless mixing agent for potting and bedding soils.



BARK MULCH (FINE)

706 E. Broadway (800) 245-7645
 P.O. Box 1148 (903) 845-2163
 Gladewater, TX 75647 Fax (903) 845-2262
 vitalearth.com • carlpool.com • vitazyme.com

TYPICAL TEST RESULTS

When tested for available water soluble nutrients by the extract method, typical values have been as follows:

Soil pH	5.0 - 6.0	(pH)
Nitrogen (N)	20 - 30	ppm
Phosphorus (P)	5 - 15	ppm
Potassium (K)	5 - 30	ppm
Calcium (Ca)	30 - 50	ppm
Magnesium (Mg)	5 - 10	ppm
Sulfur (S)	5 - 10	ppm
Boron (B)	-	ppm
Copper (Cu)	.05 - .2	ppm
Iron (Fe)	5 - 20	ppm
Manganese (Ma)	.5 - 1.5	ppm
Sodium (Na)	1 - 2	ppm
Soluble Salts	-	mmhos/cm
Zinc (Z)	.1 - .5	ppm

GRADATION

Sieve Size	% Passing
1 1/2"	100
1"	95-100
1/2"	95-100
1/4"	65-85
#10	35-55
#40	10-30
#100	0-10

UNIT WEIGHT

Saturated and surface dry

25-35 lbs/cf

FEATURES

- Consists primarily of YARD BARK which falls from the logs through handling. (Not removed with a mechanical debarker!)
- Very low in fresh cambium
- Very low in wood particles
- Aged but not rotten

INGREDIENT

Pine bark primarily from short leaf and loblolly pine

APPLICATIONS

1. Mulch for weed prevention and moisture retention.
2. Lightweight soilless mixing agent for potting and bedding soils.
3. Soil amendment to break up clay.



**Vital[®] Earth
Resources**

706 E. Broadway (800) 245-7645
 P.O. Box 1148 (903) 845-2163
 Gladewater, TX 75647 Fax (903) 845-2262
 vitalearth.com • carlpool.com • vitazyme.com

TYPICAL TEST RESULTS

When tested for available water soluble nutrients by the extract method, typical values have been as follows:

Soil pH	7.0 - 7.5	(pH)
Nitrogen (N)	10 - 30	ppm
Phosphorus (P)	1 - 10	ppm
Potassium (K)	1 - 30	ppm
Calcium (Ca)	1 - 50	ppm
Magnesium (Mg)	1 - 10	ppm
Sulfur (S)	1 - 10	ppm
Boron (B)	-	ppm
Copper (Cu)	.01 - .2	ppm
Iron (Fe)	1 - 20	ppm
Manganese (Ma)	.1 - 1.5	ppm
Sodium (Na)	1 - 2	ppm
Soluble Salts	-	mmhos/cm
Zinc (Z)	.1 - .5	ppm

GRADATION

Sieve Size	% Passing
3"	100
2"	50-60
1"	15-25
1/2"	0-5

UNIT WEIGHT

Saturated and surface dry
25-35 lbs/cf

HARDWOOD BARK MULCH

FEATURES

- Has the appearance of cypress mulch
- Will not float or wash out
- Mats down and blocks out weeds
- Darkens with age

INGREDIENTS

Hardwood primarily from East Texas oak

APPLICATIONS

1. Works well as a mulch for weed prevention and moisture retention.
2. Prevents washout when building inclined beds.
3. Can be used on pathways or in recreational areas.

VITAL EARTH® SOILS	pH	N	P	K	Ca	Mg	S	B	Cu	Fe	Ma	Na	Salts	Zn
Azalea Planting Mix	4.5-5.5	15-30	35-75	50-100	150-300	25-75	25-100	.1-1.0	.1-5	5-10			.1-0.5	2-10
Bedding Soil	6.0-6.5	50-100	40-80	200-400	600-1000	100-200	200-400	1.0-1.5	.5-1.0	3-6			.5-1.5	4-8
Enriched Topsoil	6.5-7.0	50-200	50-100	200-400	1000-2000	100-200	100-400	.5-2.0	.5-1.5	4-10			.5-1.5	4-10
Gen Purpose Potting Soil	6.0-6.5	50-100	40-70	200-400	600-1000	100-200	100-400	.5-1.5	.5-1.5	4-6			.5-1.5	4-10
Mini-pot Mix	6.0-6.5	50-100	40-70	200-400	600-1000	100-200	100-400	.5-1.5	.5-1.5	4-6			.5-1.5	4-10
Ready Rose Mix	5.5-6.5	50-100	30-60	30-60	100-200	10-30	10-30		.3-1.5	10-50	1-2	5-20		.5-1.5
Seedling Mix	6.0-6.5	50-100	75-150	200-400	600-1000	100-200	100-400	.4-2.0	.4-1.5	5-8	25-60		.5-1.5	4-10
Shrub Mix	6.0-6.5	30-150	25-75	200-400	1000-2000	100-200	100-400	.5-2.0	.5-1.5	4-10			.5-1.5	4-10
Tree Mix	6.0-6.5	50-100	40-70	200-400	600-1000	100-200	100-400	.5-1.0	.5-1.5	4-6			.5-1.5	4-10
Tropical Mix	6.0-6.5	50-100	50-100	200-400	600-1000	100-200	200-400	.5-1.5	.4-1.0	3-6			.5-1.5	
Growers Ultra Blend	5.5-6.5	200+	50-100	300-600	500-800	200-300	150-250	.5-1.5	.4-1.0	3-5	7-15			5-10
Ultra Fine	5.5-6.5	200+	50-100	500-750	500-800	200-300	150-250	.5-1.5	.4-1.0	3-5				
VITAL EARTH® SOIL AMENDMENTS														
Composted Cotton Burrs		200-300	50-100	50-100	150-200	50-100	50-100		.1-5	10-50	.5-25	2-20		.1-5
Composted Peat Replacer	6.0-7.0	70-100	30-60	50-100	100-200	10-30	10-30		.3-1.5	15-40	2-3	5-20		.5-1.5
Landscaper's Peat Replacer	5.5-6.5	50-100	30-60	30-60	100-200	10-30	10-30		.3-1.5	10-50	1-2	5-20		.5-1.5
Landscaper's Special	5.5-6.5	50-100	30-60	30-60	100-200	10-30	10-30		.3-1.5	10-50	1-2	5-20		.5-1.5
Organagro Compost	6.0-7.0	100-200	100-200	20-50	150-200	10-100	10-100		.3-13	10-50	.5-25	2-20		10-30
Premium Grade Compost		100-200	50-100	50-100	100-200	10-30	10-40		.3-13	10-20	.5-25	10-20		1-2
Rose Peat Compost		75-150	50-75	75-100	40-150	20-40	20-30		1-5	20-70	2-5	10-25		
VITAL EARTH® MULCHES														
Bark Mulch (Medium)	5.0-6.0	20-30	5-15	5-20	30-50	5-10	5-10		.05-2	5-20	.5-1.5	1-2		.1-5
Bark Mulch (Fine)	5.0-6.0	20-30	5-15	5-30	30-50	5-10	5-10		.05-2	5-20	.5-1.5	1-2		.1-5
Hardwood Bark Mulch	7.0-7.5	10-30	1-10	1-30	1-50	1-10	1-10		.01-2	1-2	1-10	1-2		.1-5
Products	Soil pH	Nitrogen (ppm)	Phosphorus (ppm)	Potassium (ppm)	Calcium (ppm)	Magnesium (ppm)	Sulfur (ppm)	Boron (ppm)	Copper (ppm)	Iron (ppm)	Manganese (ppm)	Sodium (ppm)	Soluble Salts (mmhos/cm)	Zinc (ppm)

Vital Earth Resources stays in close contact with one of the oldest and most experienced horticultural laboratories in the sun belt. We also have a research lab and soil scientist on staff to help maintain the quality control our customers have come to expect. We continually sample our mixes and have them analyzed. We back our products with this kind of expertise so we can assist you in *growing better plants through better soils.*



706 E. Broadway (800) 245-7645
P.O. Box 1148 (903) 845-2163
Gladewater, TX 75647 Fax (903) 845-2262
vitalearth.com • carlpool.com • vitazyme.com