

San Jose Office June 7, 2016 Report 16-152-0108

BARR-TECH P.O. Box 19265 Spokane, WA 99219

Attn: Scott Deatherage

RE: BT-Triple Mix received 5/31/16

This mix has been designed to be ready for planting for use in outdoor planters and raised beds without the need for additional amending.

The reaction of the sample is slightly alkaline at a pH of 7.6 with qualitative lime favorably absent. This is higher than preferred by most plants and is likely to shift downward over time as the material continues to decompose. If it is desired to decrease the pH closer to neutral incorporation of soil sulfur is recommended. Soil sulfur should be incorporated at a rate of 1/2 pound per cubic yard of material. Soil sulfur works slowly and most efficiently only to the depth incorporated.

Salinity and sodium are safely low and the SAR value shows soluble sodium adequately balanced by calcium and magnesium. Boron is safely low and nutritionally adequate.

Immediately available nitrogen is abundant and about two-thirds is in the ammoniacal form. A particularly thorough initial irrigation is recommended in order to speed the conversion to the nitrate form. All of the other required nutrients are at sufficient levels for healthy plant growth.

No additional fertilizer should be applied at the time of planting.

If we can be of any further assistance, please feel free to contact us.

Annmarie Lucchesi

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**SOIL ANALYSIS** 

Send To:	Project :	Report No :	16-152-0108
Barr-Tech	Outdoor Grower Mix	Cust No :	07264
PO Box 19265		Date Printed :	06/02/2016
Spokane WA 99219		Date Received	05/31/2016
•		Page :	1 of 1
		Lab Number :	33290

Sample Id: BT-Triple Mix

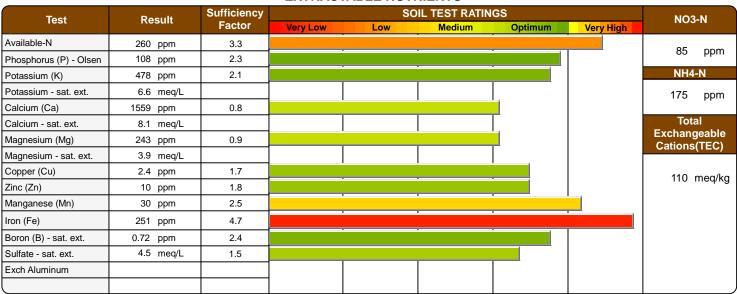
## **SATURATION EXTRACT - PLANT SUITABILITY**

	Result	Effect on Plant Growth								
Test		Negligible	Sensitive Crops Restricted	Many Crops Restricted	Only Tolerant Crops Satisfactory	Few Crops Survive				
Salinity (ECe)	2.3 dS/m									
Sodium Adsorption Ratio (SAR) *	1.72									
Boron (B)	0.72 ppm									
Sodium (Na)	4.2 meq/L									
Chloride (CI)										
Carbonate (CO3)										
Bicarbonate (HCO3)										
Fluoride (F)										

<sup>\*</sup> Structure and water infiltration of mineral soils potentially adversely affected at SAR values higher than 6.

Test	Result	Strongly Acidic	Moderately Acidic	Slightly Acidic	Neutral	Slightly Alkaline	Moderately Alkaline	Strongly Alkaline	Qualitative Lime
	7.0								
pH 7.6 s.u.							None		

## **EXTRACTABLE NUTRIENTS**



Cu, Zn, Mn and Fe were analyzed by DTPA extract.

## **PARTICLE SIZE ANALYSIS**

				We	Weight Percent of Sample Passing 2mm Screen				
Half Sat	Organic Matter	Gravel Coarse Fine 5-12 2-5		Sand Very Coarse Coarse Med. to Very Fine 1-2 0.5-1 0.05-0.5			Silt .00205	Clay 0002	USDA Soil Classification
40 %									