

Soil Nutrition

Adjust pH

Balance Ca, Mg, K and Na Ratios

Sufficient levels of available nutrients

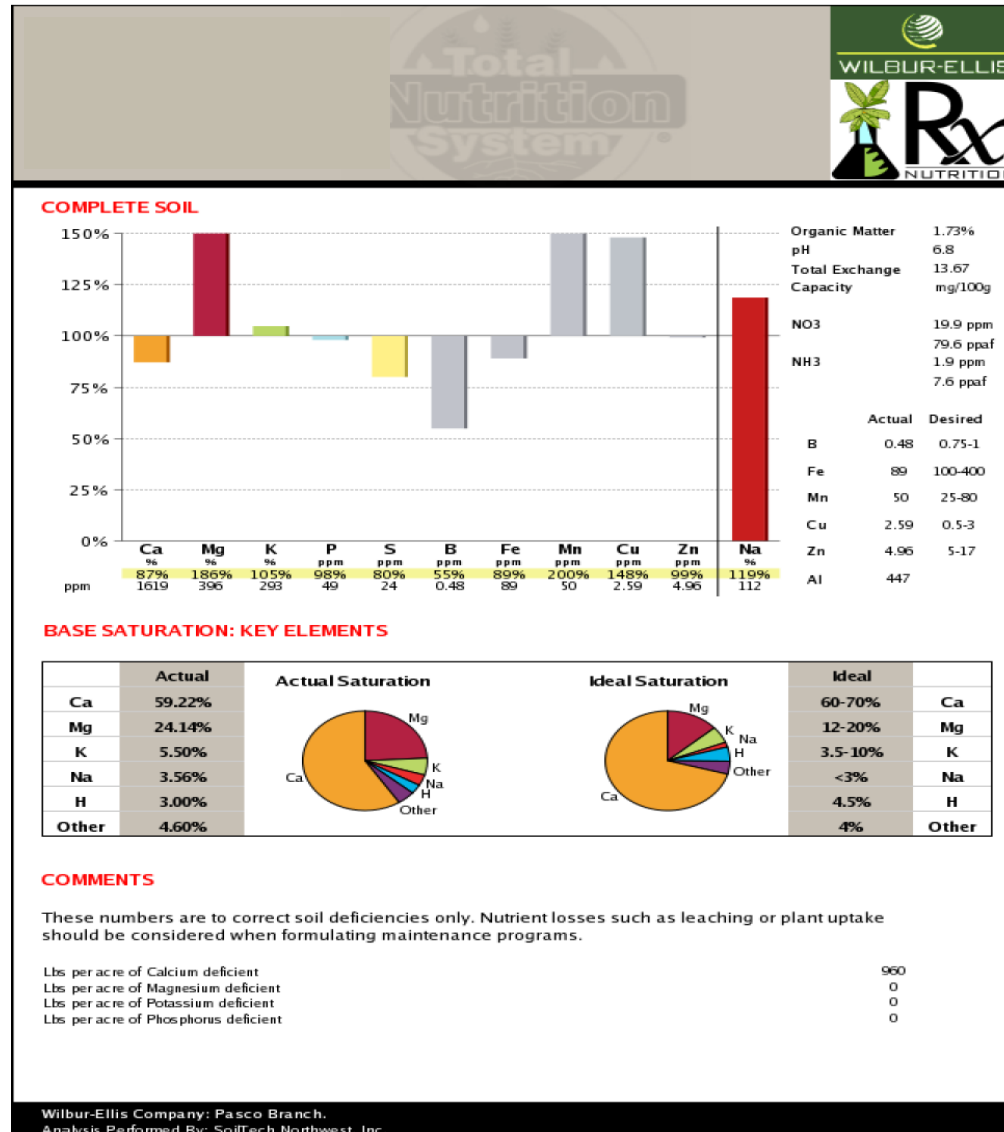
Mark LaPierre

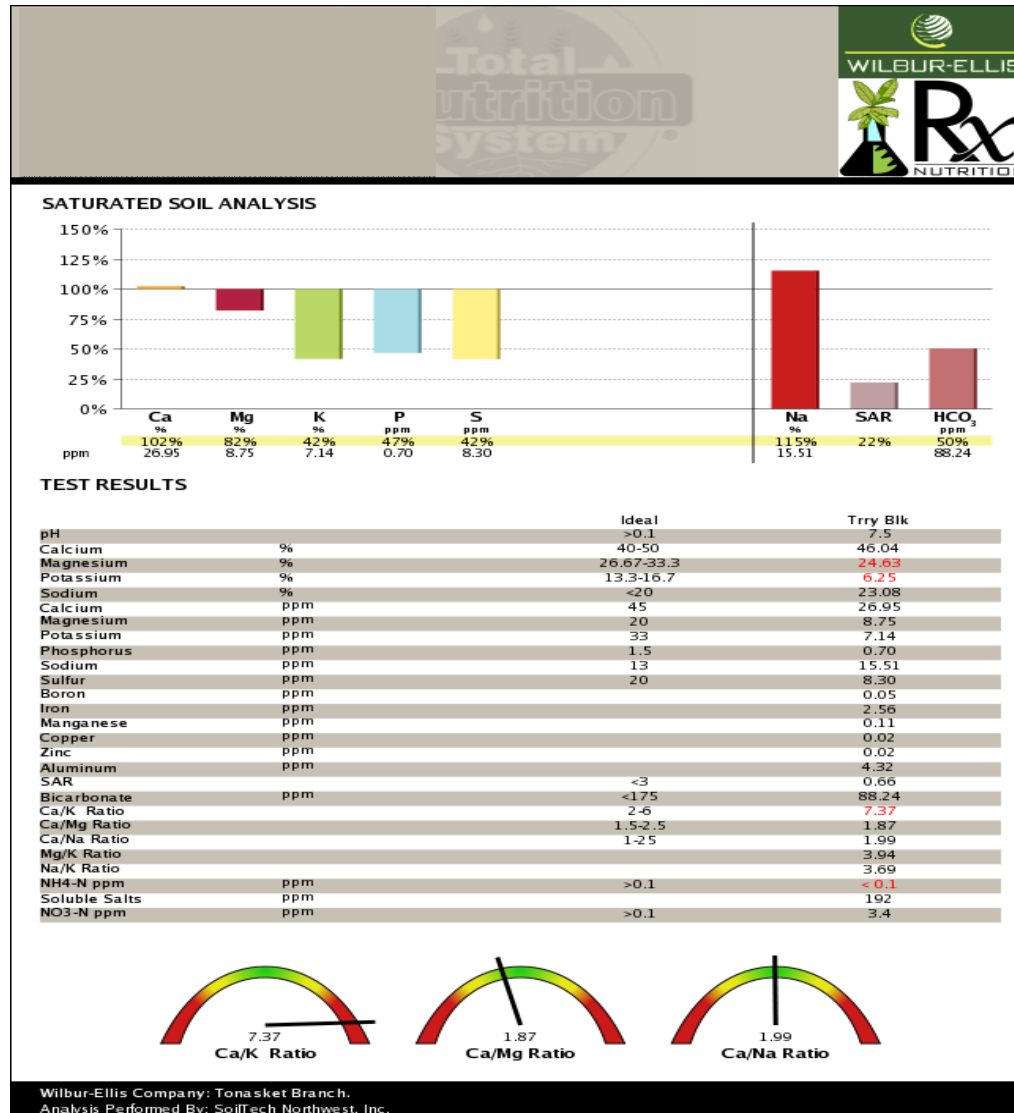
Soil Monitoring

Two Types of Soil Samples

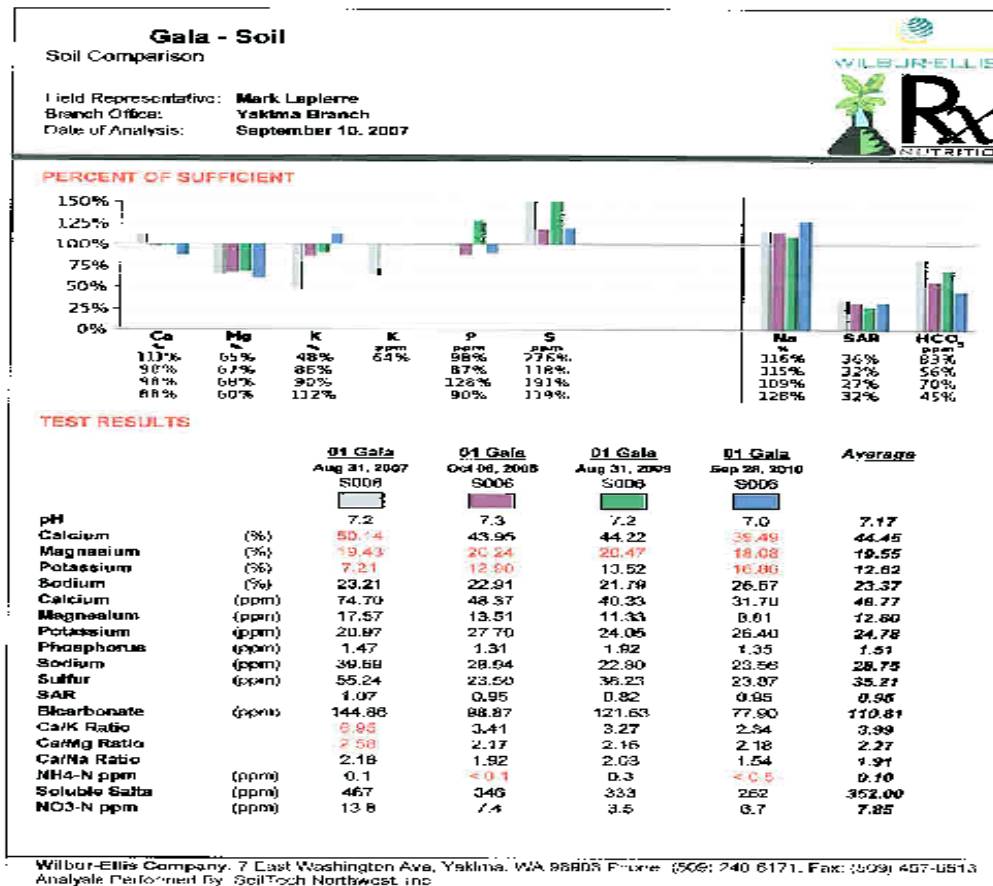
Complete Soil Analysis

Saturated Soil Analysis





Consistent soil monitoring can be an important tool in understanding your soil





Fruit Analysis

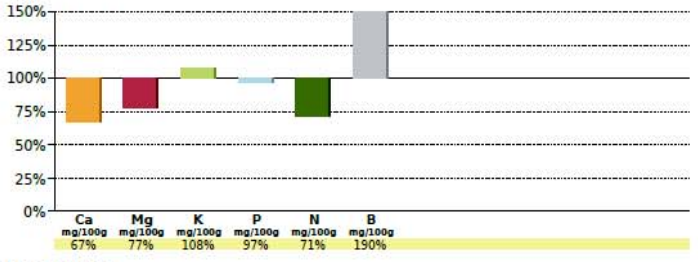
Links soil nutrition to fruit quality

Early fruit analysis

Fruit at harvest analysis

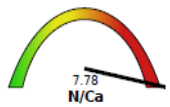
FRUIT ANALYSIS



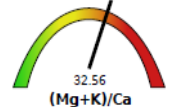
Element	mg/100g	%
Ca	mg/100g	67%
Mg	mg/100g	77%
K	mg/100g	108%
P	mg/100g	97%
N	mg/100g	71%
B	mg/100g	150%

TEST RESULTS

Element	mg/100g	Ideal	A&J Gltns
Calcium	mg/100g	4.2-6	3.429
Magnesium	mg/100g	4.5-6	4.059
Potassium	mg/100g	95-105	107.600
Phosphorus	mg/100g	10-12	10.650
Nitrogen	mg/100g	30-45	26.682
Boron	mg/100g	0.3	0.570
Iron	mg/100g		0.113
Manganese	mg/100g		0.100
Copper	mg/100g		0.095
Zinc	mg/100g		0.050
Molybdenum	mg/100g		0.020
N/Ca		<4	7.78
K/Ca			31.38
(Mg+K)/Ca		<28	32.56
Average Weight	grams		303.21
Moisture	%		85.24
Storage Index		24-32	40.34
Fruit Size	Per Box		64



7.78
N/Ca



32.56
(Mg+K)/Ca

The analytical information and "Storage Index" found on this report may be utilized as one of many tools in the Fruit Storage decision making process. Fruit storage decision makers should NOT RELY SOLELY on the "Storage Index" contained herein as a definitive guide as to how long fruit will store before encountering problems with quality. SoilTech Northwest, Inc. and/or The Wilbur Ellis Company make no guarantee or claim as to the effectiveness of the "Storage Index" and its use, nor are they responsible for the results of storage decisions made based on the information contained herein or storage decisions made based on the way in which the information contained herein is presented.

Wilbur-Ellis Company, Yakima Branch.

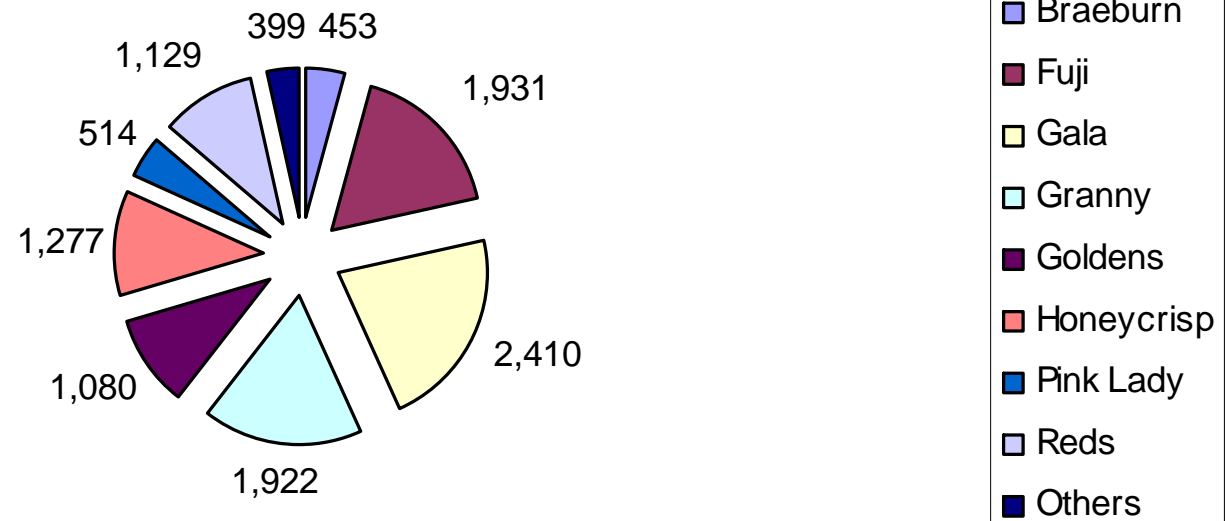
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FRUIT DATABASE

Total of ALL Samples - Fruit Mineral Analysis Database - thru 2010

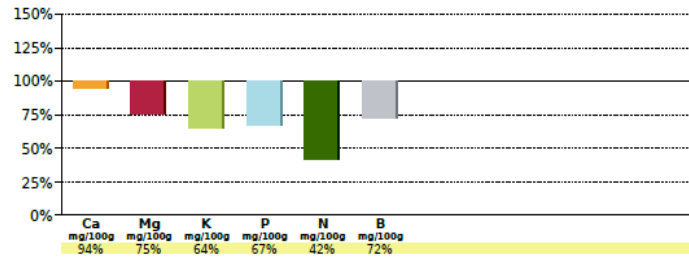


11,115 Samples (Total)

Branch Office: **Yakima Branch**
 Date of Analysis: August 27, 2009

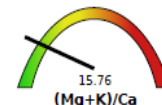
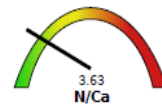


FRUIT ANALYSIS



TEST RESULTS

		Ideal	Gbbns A3 15-16
Calcium	mg/100g	3.2-5.5	4.341
Magnesium	mg/100g	4.5-6	3.958
Potassium	mg/100g	95-105	64.460
Phosphorus	mg/100g	10-12	7.392
Nitrogen	mg/100g	30-45	15.779
Boron	mg/100g	0.3	0.216
Iron	mg/100g		0.100
Manganese	mg/100g		0.100
Copper	mg/100g		0.050
Zinc	mg/100g		0.050
Molybdenum	mg/100g		0.020
N/Ca		<5.5	3.63
K/Ca			14.85
(Mg+K)/Ca		<28	15.76
Average Weight	grams		158.91
Moisture	%		85.64
Storage Index		24-32	19.40
Fruit Size	Per Box		113

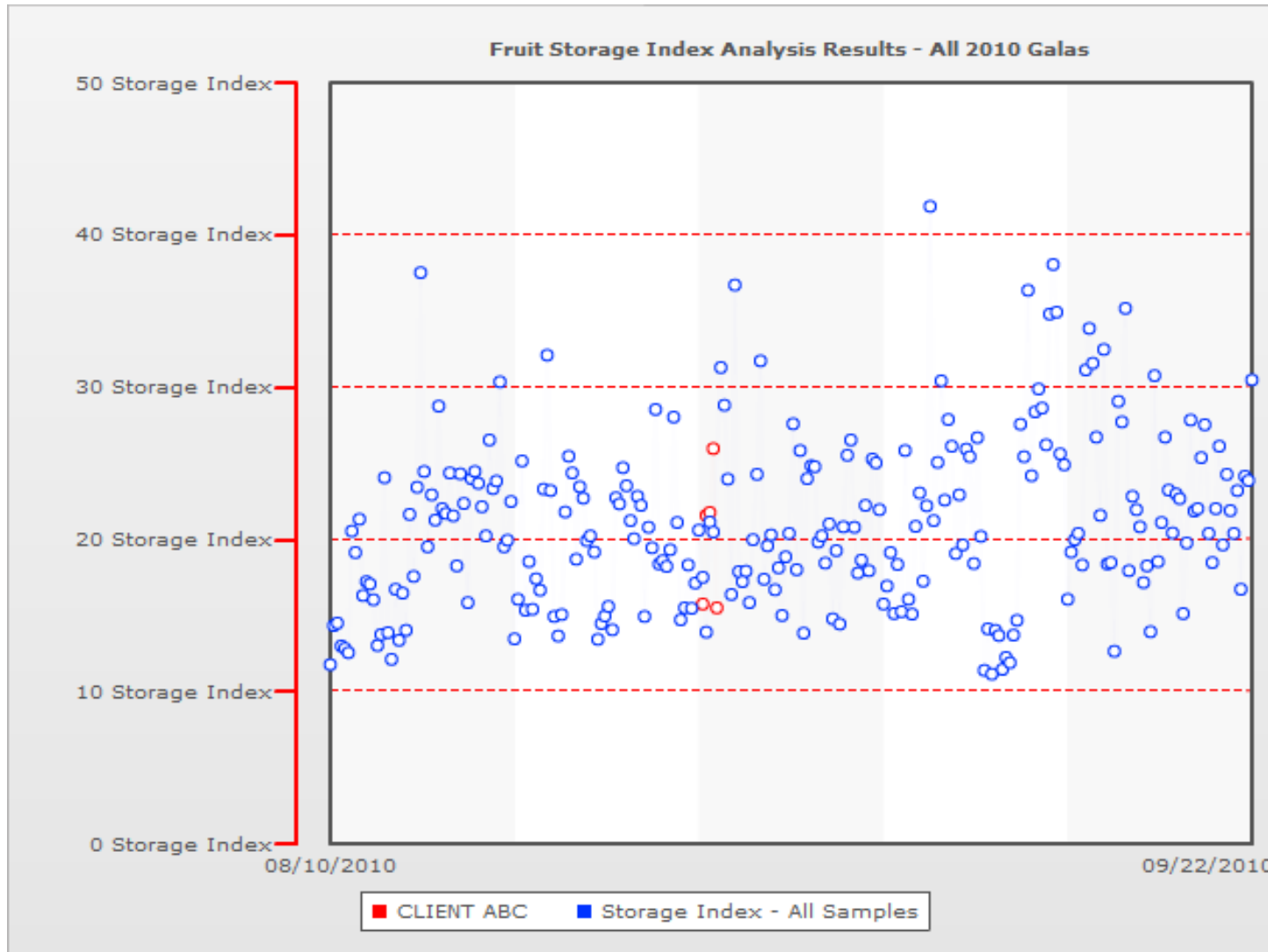


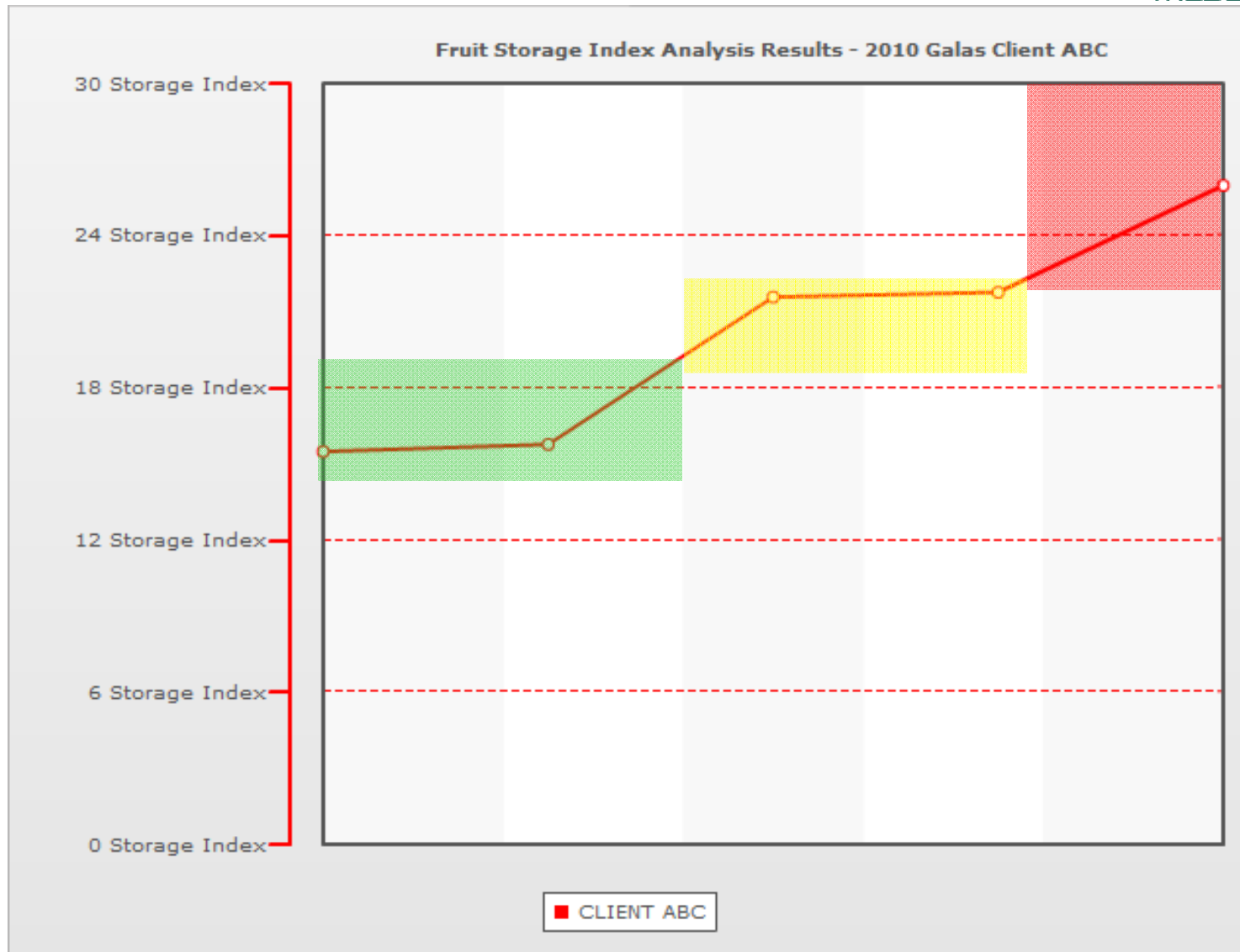
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Wilbur-Ellis Company: Yakima Branch.
 Analysis Performed By: SoilTech Northwest, Inc.

Done

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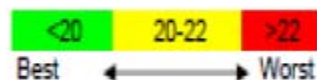






CLIENT ABC @ Harvest- "Storage Index" Information

SI Rank	Client	Description	Variety	Avg. Weight	Mg/100g					SI
					Ca	K	Mg	N	P	
1	Client ABC	Block A	Gala	212.27	8.87	104.10	6.10	27.15	9.19	15.49
2	Client ABC	Block B	Gala	205.27	8.62	103.10	6.82	25.99	8.87	15.76
3	Client ABC	Block C	Gala	207.53	6.90	109.10	6.65	33.27	7.86	21.58
4	Client ABC	Block D	Gala	181.26	7.73	126.00	6.73	35.56	11.03	21.77
5	Client ABC	Block F	Gala	208.43	6.52	129.10	6.87	33.36	8.95	25.87



Soil Biology

Difficult to measure and understand

We continue to learn in Organic Production

Area of increased interest in conventional systems