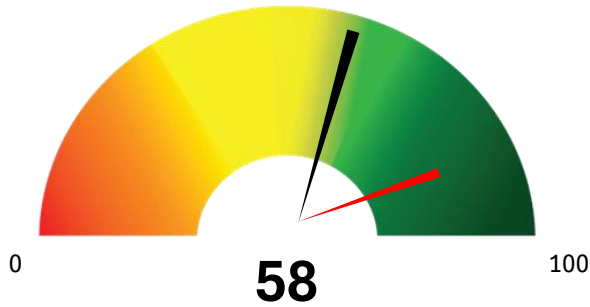


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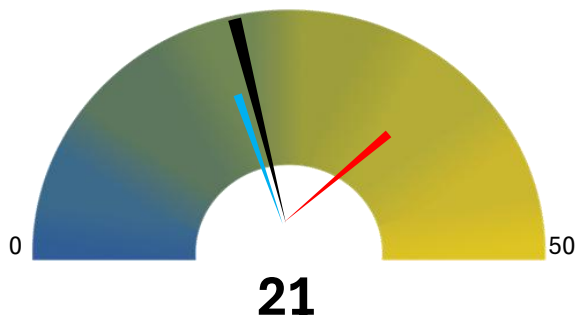
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**Rainfall / Zone:** 40 / APPALACHIAN HIGHLANDS  
**Soil Orders:** Inceptisol-Udepts / Alfisol-Aqualfs / \*  
**Your Sample:** Soil Row7 Zone 1 CONTROL  
**Received / Reported:** 15/Apr/25 | 19/May/25  
**Intended Crop:** Vegetables- Intense or other

Soil Health Panel	Units		RANKING:
Microbial Rate	ppm	102.3	High
Solvita Response	( 0 - 6)	4.34	Medium
Soil Amino-N	ppm	78	Medium
Crumb Aggregates	Vol %	10	Low
Scoop Bulk Density	g/cc	0.90	Optimal
Total Carbon	%	1.610	Medium

Nutrients as: lb/a	Interpretative Guidelines			Est Carbon: lb/a
	N	P2O5	K2O	
Soil Supply:	133	66	94	28,905
Crop Use:	175	30	195	
Difference:	42	0	101	
Suggested Need	123	30	28	Est CEC, meq
Other Notations	Low Status	Normal	Normal	12.3



**OVERALL FERTILITY SCORE**  
YOUR VALUE IS BLACK. RED LINE IS REGION-EXPECTED TARGET



**SOIL HEALTH SCORE**  
YOUR VALUE IS BLACK POINTER.  
BLUE is Minimum and RED is Optimal Target  
Color range based on Solvita Color Scale

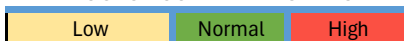
Green Manure/Cover Crop Recommendations

Types of Inter-planting Blends Suggested:

20% Legume 80% Grass/Non-legume

Lime Suggestion 1.1 Lime tons/acre

COLOR SCALE KEY FOR TEST VALUES



## NUTRIENT PANEL

Analysis	Units	RESULT
Climate Zone at this Location	ZONE	5
Nitrogen as readily soluble NO3-N	ppm	9
Est. Seasonal Biological N-Release	lb/a	118
PMN (Avail. + N-Min) Nitrogen Potential	lb/a	133
Likelihood of N-Response based on Org-N	Rating	Likely
<b>Extractable Nutrients</b>		
Phosphorus , Extractable P	mg kg	16
Phosphorus - Carbonate Ext-P	mg kg	1.5
Potassium - Extractable K	mg kg	43
Calcium - Extractable Ca	mg kg	1157
Magnesium - Extractable Mg	mg kg	183
Sodium - Extractable Na	mg kg	46
<b>Rating Factors</b>		
Nutrient Index, Scale 0 - 100	Rating	75%
Most Limiting Factor		K
Cation Balance (Molar Ratio: K ÷ [Ca + Mg] )	Optimal	1.5%
<b>Other Factors</b>		
pH in water 1:1	Unit	5.878
Optional test (buffer pH)	Unit	6.533
Water Soluble Carbon	mg kg	182
Water Soluble C:N (WSOC:NO3-N)	Unit	21
Aluminum, Extractable	mg kg	273
Iron, Extractable (Optional)	mg kg	41

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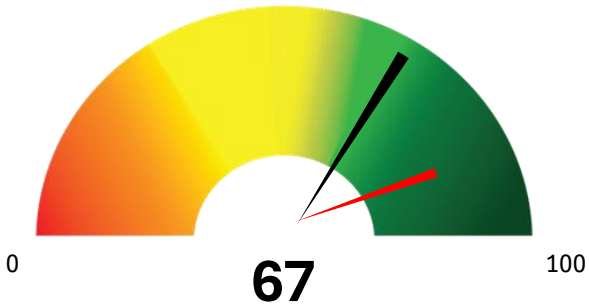
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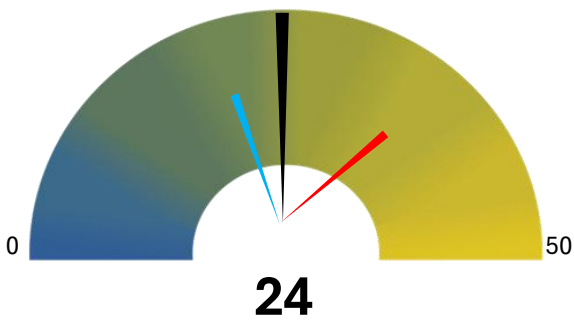
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**Soil Orders:** Inceptisol-Udepts / Alfisol-Aqualfs / \*  
**Your Sample:** Soil Row7 Zone 2 BioChar  
**Received / Reported:** 15/Apr/25 | 19/May/25  
**Intended Crop:** Vegetables- Intense

Soil Health Panel	Units		RANKING:
Microbial Rate	ppm	119.0	High
Solvita Response	( 0 - 6)	4.46	High
Soil Amino-N	ppm	103	Medium
Crumb Aggregates	Vol %	9	Low
Scoop Bulk Density	g/cc	0.85	Optimal
Total Carbon	%	2.170	Med-High

Nutrients as: lb/a	Interpretative Guidelines			Est Carbon: lb/a
	N	P2O5	K2O	
Soil Supply:	156	54	127	36,847
Crop Use:	175	30	195	
Difference:	19	0	68	
Suggested Need	44	30	15	Est CEC, meq
Other Notations	Low Status	Normal	Normal	13.3



**OVERALL FERTILITY SCORE**  
YOUR VALUE IS BLACK. RED LINE IS REGION-EXPECTED TARGET



**SOIL HEALTH SCORE**  
YOUR VALUE IS BLACK POINTER.  
BLUE is Minimum and RED is Optimal Target  
Color range based on Solvita Color Scale

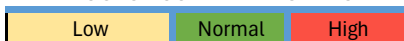
Green Manure/Cover Crop Recommendations

Types of Inter-planting Blends Suggested:

20% Legume 80% Grass/Non-legume

Lime Suggestion 0.7 Lime tons/acre

COLOR SCALE KEY FOR TEST VALUES



## NUTRIENT PANEL

Analysis	Units	RESULT
Climate Zone at this Location	ZONE	5
Nitrogen as readily soluble NO3-N	ppm	11
Est. Seasonal Biological N-Release	lb/a	137
PMN (Avail. + N-Min) Nitrogen Potential	lb/a	156
Likelihood of N-Response based on Org-N	Rating	Moderate

### Extractable Nutrients

Phosphorus , Extractable P	mg kg	14
Phosphorus - Carbonate Ext-P	mg kg	0.0
Potassium - Extractable K	mg kg	62
Calcium - Extractable Ca	mg kg	1515
Magnesium - Extractable Mg	mg kg	247
Sodium - Extractable Na	mg kg	52

### Rating Factors

Nutrient Index, Scale 0 - 100	Rating	85%
Most Limiting Factor		K
Cation Balance (Molar Ratio: K ÷ [Ca + Mg] )	Optimal	1.7%

### Other Factors

pH in water 1:1	Unit	6.392
Optional test (buffer pH)	Unit	6.676
Water Soluble Carbon	mg kg	247
Water Soluble C:N (WSOC:NO3-N)	Unit	23
Aluminum, Extractable	mg kg	265
Iron, Extractable (Optional)	mg kg	40

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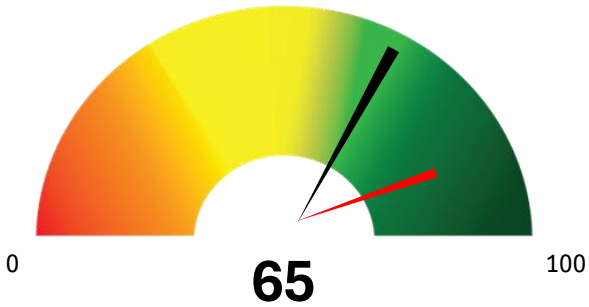
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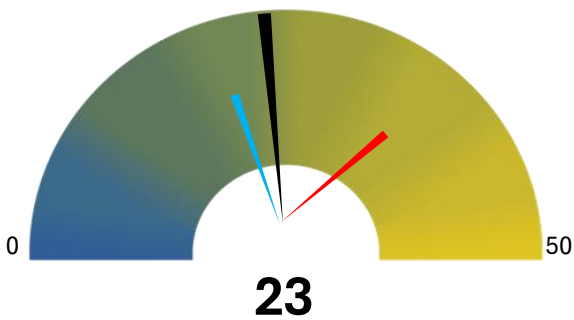
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Soil Orders: Inceptisol-Udepts / Alfisol-Aqualfs / \*  
Your Sample: Soil Row7 Zone 3 Compost  
Received / Reported: 15/Apr/25 | 19/May/25  
Intended Crop: Vegetables- Intense

Soil Health Panel	Units		RANKING:
Microbial Rate	ppm	107.7	High
Solvita Response	( 0 - 6)	4.38	Medium
Soil Amino-N	ppm	125	Medium
Crumb Aggregates	Vol %	11	Low
Scoop Bulk Density	g/cc	0.88	Optimal
Total Carbon	%	1.990	Medium

Nutrients as: lb/a	Interpretative Guidelines			Est Carbon: lb/a
	N	P205	K2O	
Soil Supply:	137	86	144	35,077
Crop Use:	175	30	195	
Difference:	38	0	51	
Suggested Need	63	30	19	Est CEC, meq
Other Notations	Low Status	Normal	Normal	14.9



**OVERALL FERTILITY SCORE**  
YOUR VALUE IS BLACK. RED LINE IS REGION-EXPECTED TARGET



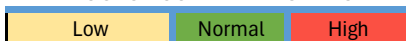
**SOIL HEALTH SCORE**  
YOUR VALUE IS BLACK POINTER.  
BLUE is Minimum and RED is Optimal Target  
Color range based on Solvita Color Scale

Green Manure/Cover Crop Recommendations

Types of Inter-planting Blends Suggested:

20% Legume 80% Grass/Non-legume

Lime Suggestion 1.2 Lime tons/acre  
COLOR SCALE KEY FOR TEST VALUES



## NUTRIENT PANEL

Analysis	Units	RESULT
Climate Zone at this Location	ZONE	5
Nitrogen as readily soluble NO3-N	ppm	7
Est. Seasonal Biological N-Release	lb/a	124
PMN (Avail. + N-Min) Nitrogen Potential	lb/a	137
Likelihood of N-Response based on Org-N	Rating	Moderate
Extractable Nutrients		
Phosphorus , Extractable P	mg kg	21
Phosphorus - Carbonate Ext-P	mg kg	1.2
Potassium - Extractable K	mg kg	68
Calcium - Extractable Ca	mg kg	1509
Magnesium - Extractable Mg	mg kg	218
Sodium - Extractable Na	mg kg	66
Rating Factors		
Nutrient Index, Scale 0 - 100	Rating	84%
Most Limiting Factor		K
Cation Balance (Molar Ratio: K ÷ [Ca + Mg] )	Optimal	1.9%
Other Factors		
pH in water 1:1	Unit	6.311
Optional test (buffer pH)	Unit	6.488
Water Soluble Carbon	mg kg	195
Water Soluble C:N (WSOC:NO3-N)	Unit	27
Aluminum, Extractable	mg kg	368
Iron, Extractable (Optional)	mg kg	50

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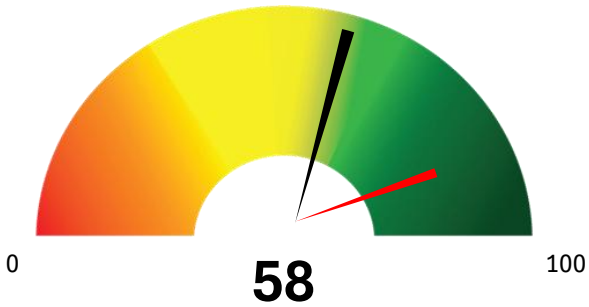
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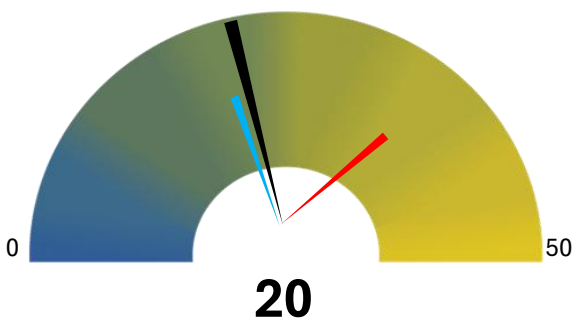
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Soil Orders: Inceptisol-Udepts / Alfisol-Aqualfs / \*  
Your Sample: **Soil Row7 Zone 4 Compost + Biochar**  
Received / Reported: 15/Apr/25 | 19/May/25  
Intended Crop: *Vegetables- Intense*

Soil Health Panel	Units		RANKING:
Microbial Rate	ppm	83.6	Optimal
Solvita Response	( 0 - 6)	4.15	Medium
Soil Amino-N	ppm	52	Medium
Crumb Aggregates	Vol %	24	Low
Scoop Bulk Density	g/cc	0.92	Optimal
Total Carbon	%	1.290	Med-Low

Nutrients as: lb/a	Interpretative Guidelines			Est Carbon: lb/a
	N	P2O5	K2O	
Soil Supply:	111	52	115	23,762
Crop Use:	175	30	195	
Difference:	64	0	80	
Suggested Need	123	30	25	Est CEC, meq
Other Notations	Low Status	Normal	Normal	13.1



**OVERALL FERTILITY SCORE**  
YOUR VALUE IS BLACK. RED LINE IS REGION-EXPECTED TARGET



**SOIL HEALTH SCORE**  
YOUR VALUE IS BLACK POINTER.  
BLUE is Minimum and RED is Optimal Target  
Color range based on Solvita Color Scale

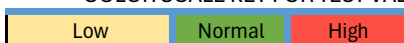
Green Manure/Cover Crop Recommendations

Types of Inter-planting Blends Suggested:

20% Legume 80% Grass/Non-legume

Lime Suggestion 0

COLOR SCALE KEY FOR TEST VALUES



## NUTRIENT PANEL

Analysis	Units	RESULT
Climate Zone at this Location	ZONE	5
Nitrogen as readily soluble NO3-N	ppm	8
Est. Seasonal Biological N-Release	lb/a	96
PMN (Avail. + N-Min) Nitrogen Potential	lb/a	111
Likelihood of N-Response based on Org-N	Rating	Likely
<b>Extractable Nutrients</b>		
Phosphorus , Extractable P	mg kg	12
Phosphorus - Carbonate Ext-P	mg kg	1.7
Potassium - Extractable K	mg kg	52
Calcium - Extractable Ca	mg kg	1441
Magnesium - Extractable Mg	mg kg	226
Sodium - Extractable Na	mg kg	63
<b>Rating Factors</b>		
Nutrient Index, Scale 0 - 100	Rating	74%
Most Limiting Factor		K
Cation Balance (Molar Ratio: K ÷ [Ca + Mg] )	Optimal	1.5%
<b>Other Factors</b>		
pH in water 1:1	Unit	6.528
Optional test (buffer pH)	Unit	6.638
Water Soluble Carbon	mg kg	215
Water Soluble C:N (WSOC:NO3-N)	Unit	26
Aluminum, Extractable	mg kg	319
Iron, Extractable (Optional)	mg kg	49

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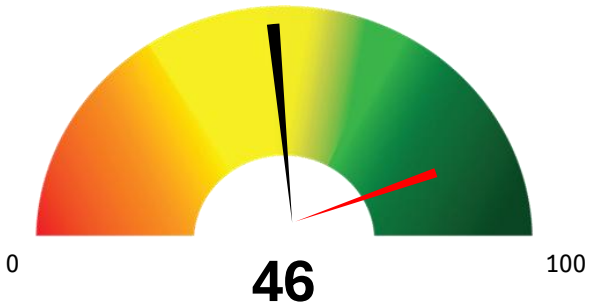
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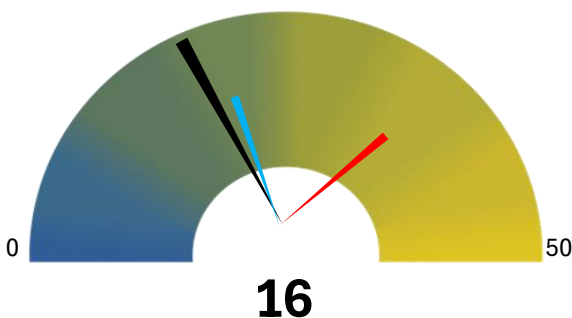
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**Your Sample:** Soil Row7 Zone 5 All Additives  
**Received / Reported:** 15/Apr/25 | 19/May/25  
**Intended Crop:** Vegetables- Intense

Soil Health Panel	Units		RANKING:
Microbial Rate	ppm	14.5	V Low
Solvita Response	( 0 - 6)	2.45	Low
Soil Amino-N	ppm	46	Low
Crumb Aggregates	Vol %	21	Low
Scoop Bulk Density	g/cc	0.86	Optimal
Total Carbon	%	1.690	Medium

Nutrients as: lb/a	Interpretative Guidelines			Est Carbon: lb/a
	N	P2O5	K2O	
Soil Supply:	31	51	115	29,091
Crop Use:	175	30	195	
Difference:	144	0	80	
Suggested Need	123	30	26	Est CEC, meq
Other Notations	Low Status	Normal	Normal	14.1



**OVERALL FERTILITY SCORE**  
YOUR VALUE IS BLACK. RED LINE IS REGION-EXPECTED TARGET



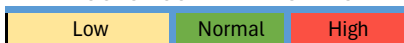
**SOIL HEALTH SCORE**  
YOUR VALUE IS BLACK POINTER.  
BLUE is Minimum and RED is Optimal Target  
Color range based on Solvita Color Scale

Green Manure/Cover Crop Recommendations

Types of Inter-planting Blends Suggested:

40% Legume 60% Grass/Non-Legume

COLOR SCALE KEY FOR TEST VALUES



**NUTRIENT PANEL**

Analysis	Units	RESULT
Climate Zone at this Location	ZONE	5
Nitrogen as readily soluble NO3-N	ppm	8
Est. Seasonal Biological N-Release	lb/a	17
PMN (Avail. + N-Min) Nitrogen Potential	lb/a	31
Likelihood of N-Response based on Org-N	Rating	Likely
<b>Extractable Nutrients</b>		
Phosphorus , Extractable P	mg kg	13
Phosphorus - Carbonate Ext-P	mg kg	0.3
Potassium - Extractable K	mg kg	56
Calcium - Extractable Ca	mg kg	1485
Magnesium - Extractable Mg	mg kg	278
Sodium - Extractable Na	mg kg	70
<b>Rating Factors</b>		
Nutrient Index, Scale 0 - 100	Rating	59%
Most Limiting Factor		N
Cation Balance (Molar Ratio: K ÷ [Ca + Mg] )	Optimal	1.5%
<b>Other Factors</b>		
pH in water 1:1	Unit	6.567
Optional test (buffer pH)	Unit	6.613
Water Soluble Carbon	mg kg	237
Water Soluble C:N (WSOC:NO3-N)	Unit	30
Aluminum, Extractable	mg kg	287
Iron, Extractable (Optional)	mg kg	51

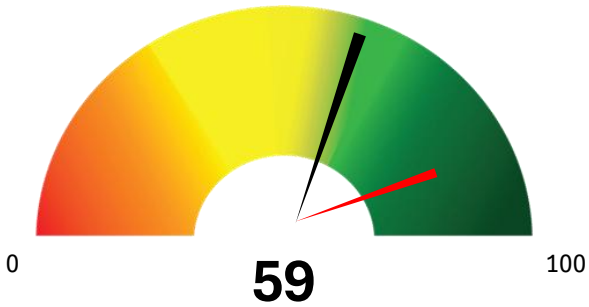
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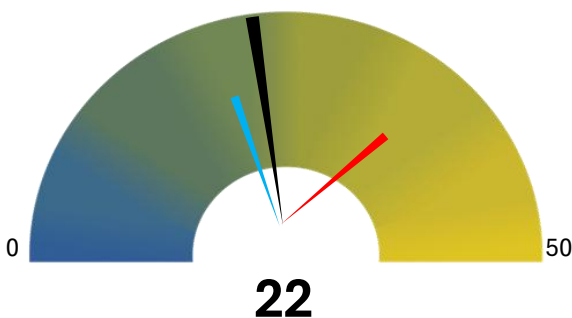
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Your Sample: **Soil Row7 Zone 6**  
Received / Reported: 15/Apr/25 | 19/May/25  
Intended Crop: *Vegetables- Intense*

Soil Health Panel	Units		RANKING:
Microbial Rate	ppm	105.3	High
Solvita Response	( 0 - 6)	4.34	Medium
Soil Amino-N	ppm	86	Medium
Crumb Aggregates	Vol %	20	Low
Scoop Bulk Density	g/cc	0.87	Optimal
Total Carbon	%	1.470	Med-Low

Nutrients as: lb/a	Interpretative Guidelines			Est Carbon: lb/a
	N	P2O5	K2O	
Soil Supply:	137	38	89	25,627
Crop Use:	175	30	195	
Difference:	38	0	106	
Suggested Need	123	30	28	Est CEC, meq
Other Notations	Low Status	Normal	Normal	12.0



**OVERALL FERTILITY SCORE**  
YOUR VALUE IS BLACK. RED LINE IS REGION-EXPECTED TARGET



**SOIL HEALTH SCORE**  
YOUR VALUE IS BLACK POINTER.  
BLUE is Minimum and RED is Optimal Target  
Color range based on Solvita Color Scale

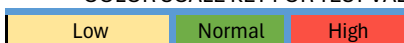
Green Manure/Cover Crop Recommendations

Types of Inter-planting Blends Suggested:

20% Legume 80% Grass/Non-legume

Lime Suggestion 0

COLOR SCALE KEY FOR TEST VALUES



## NUTRIENT PANEL

Analysis	Units	RESULT
Climate Zone at this Location	ZONE	5
Nitrogen as readily soluble NO3-N	ppm	9
Est. Seasonal Biological N-Release	lb/a	121
PMN (Avail. + N-Min) Nitrogen Potential	lb/a	137
Likelihood of N-Response based on Org-N	Rating	Likely
<b>Extractable Nutrients</b>		
Phosphorus , Extractable P	mg kg	9
Phosphorus - Carbonate Ext-P	mg kg	1.3
Potassium - Extractable K	mg kg	42
Calcium - Extractable Ca	mg kg	1192
Magnesium - Extractable Mg	mg kg	208
Sodium - Extractable Na	mg kg	48
<b>Rating Factors</b>		
Nutrient Index, Scale 0 - 100	Rating	75%
Most Limiting Factor		K
Cation Balance (Molar Ratio: K ÷ [Ca + Mg] )	Optimal	1.4%
<b>Other Factors</b>		
pH in water 1:1	Unit	6.506
Optional test (buffer pH)	Unit	6.599
Water Soluble Carbon	mg kg	211
Water Soluble C:N (WSOC:NO3-N)	Unit	24
Aluminum, Extractable	mg kg	351
Iron, Extractable (Optional)	mg kg	48

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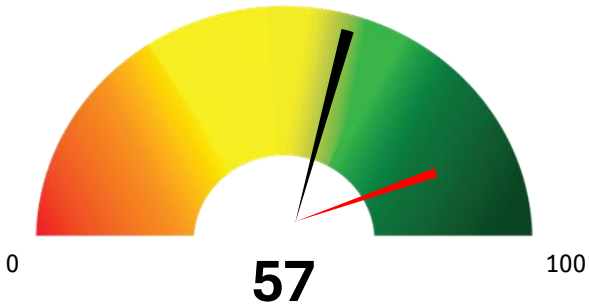
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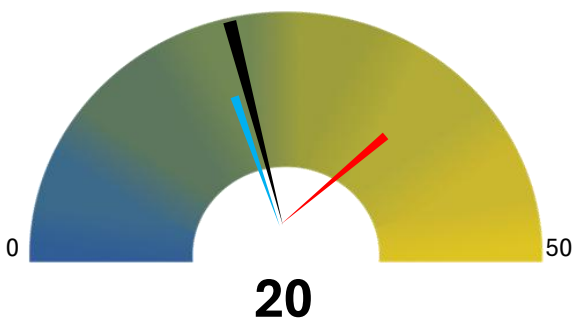
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**Your Sample:** Soil Row7 Zone 7  
**Received / Reported:** 15/Apr/25 | 19/May/25  
**Intended Crop:** Vegetables- Intense

Soil Health Panel	Units		RANKING:
Microbial Rate	ppm	88.5	Optimal
Solvita Response	( 0 - 6)	4.18	Medium
Soil Amino-N	ppm	64	Medium
Crumb Aggregates	Vol %	15	Low
Scoop Bulk Density	g/cc	0.90	Optimal
Total Carbon	%	1.480	Med-Low

Nutrients as: lb/a	Interpretative Guidelines			Est Carbon: lb/a
	N	P2O5	K2O	
Soil Supply:	113	61	113	26,502
Crop Use:	175	30	195	
Difference:	62	0	82	
Suggested Need	123	30	22	Est CEC, meq
Other Notations	Low Status	Normal	Normal	12.7



**OVERALL FERTILITY SCORE**  
YOUR VALUE IS BLACK. RED LINE IS REGION-EXPECTED TARGET



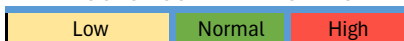
**SOIL HEALTH SCORE**  
YOUR VALUE IS BLACK POINTER.  
BLUE is Minimum and RED is Optimal Target  
Color range based on Solvita Color Scale

Green Manure/Cover Crop Recommendations

Types of Inter-planting Blends Suggested:

20% Legume 80% Grass/Non-legume

COLOR SCALE KEY FOR TEST VALUES



## NUTRIENT PANEL

Analysis	Units	RESULT
Climate Zone at this Location	ZONE	5
Nitrogen as readily soluble NO3-N	ppm	6
Est. Seasonal Biological N-Release	lb/a	102
PMN (Avail. + N-Min) Nitrogen Potential	lb/a	113
Likelihood of N-Response based on Org-N	Rating	Likely
<b>Extractable Nutrients</b>		
Phosphorus , Extractable P	mg kg	15
Phosphorus - Carbonate Ext-P	mg kg	0.6
Potassium - Extractable K	mg kg	52
Calcium - Extractable Ca	mg kg	1296
Magnesium - Extractable Mg	mg kg	267
Sodium - Extractable Na	mg kg	56
<b>Rating Factors</b>		
Nutrient Index, Scale 0 - 100	Rating	74%
Most Limiting Factor		K
Cation Balance (Molar Ratio: K ÷ [Ca + Mg] )	Optimal	1.5%
<b>Other Factors</b>		
pH in water 1:1	Unit	6.609
Optional test (buffer pH)	Unit	6.637
Water Soluble Carbon	mg kg	212
Water Soluble C:N (WSOC:NO3-N)	Unit	35
Aluminum, Extractable	mg kg	302
Iron, Extractable (Optional)	mg kg	63

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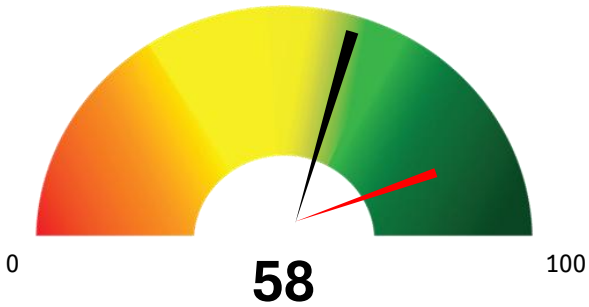
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United States

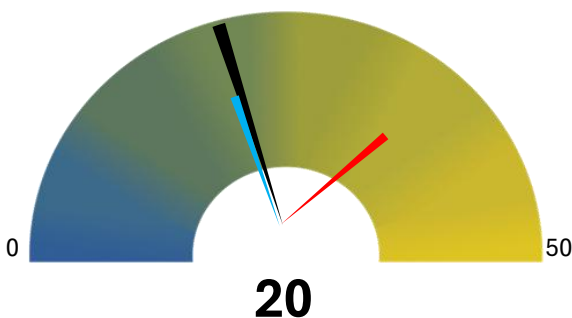
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**Rainfall / Zone:** 40 / APPALACHIAN HIGHLANDS  
**Soil Orders:** Inceptisol-Udepts / Alfisol-Aqualfs / \*  
**Your Sample:** Soil Row7 Zone 8  
**Received / Reported:** 15/Apr/25 | 19/May/25  
**Intended Crop:** Vegetables- Intense

Soil Health Panel	Units		RANKING:
Microbial Rate	ppm	67.9	Optimal
Solvita Response	( 0 - 6)	3.91	Medium
Soil Amino-N	ppm	54	Medium
Crumb Aggregates	Vol %	23	Low
Scoop Bulk Density	g/cc	0.92	Optimal
Total Carbon	%	1.560	Medium

Nutrients as: lb/a	Interpretative Guidelines			Est Carbon: lb/a
	N	P205	K2O	
Soil Supply:	97	83	149	28,808
Crop Use:	175	30	195	
Difference:	78	0	46	
Suggested Need	123	30	8	Est CEC, meq
Other Notations	Low Status	Normal	Normal	12.9



**OVERALL FERTILITY SCORE**  
YOUR VALUE IS BLACK. RED LINE IS REGION-EXPECTED TARGET



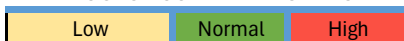
**SOIL HEALTH SCORE**  
YOUR VALUE IS BLACK POINTER.  
BLUE is Minimum and RED is Optimal Target  
Color range based on Solvita Color Scale

Green Manure/Cover Crop Recommendations

Types of Inter-planting Blends Suggested:

30% Legume 70% Grass/Non-Legume

COLOR SCALE KEY FOR TEST VALUES



## NUTRIENT PANEL

Analysis	Units	RESULT
Climate Zone at this Location	ZONE	5
Nitrogen as readily soluble NO3-N	ppm	11
Est. Seasonal Biological N-Release	lb/a	78
PMN (Avail. + N-Min) Nitrogen Potential	lb/a	97
Likelihood of N-Response based on Org-N	Rating	Likely
<b>Extractable Nutrients</b>		
Phosphorus , Extractable P	mg kg	20
Phosphorus - Carbonate Ext-P	mg kg	0.6
Potassium - Extractable K	mg kg	67
Calcium - Extractable Ca	mg kg	1571
Magnesium - Extractable Mg	mg kg	242
Sodium - Extractable Na	mg kg	45
<b>Rating Factors</b>		
Nutrient Index, Scale 0 - 100	Rating	77%
Most Limiting Factor		N
Cation Balance (Molar Ratio: K ÷ [Ca + Mg] )	Optimal	1.7%
<b>Other Factors</b>		
pH in water 1:1	Unit	6.706
Optional test (buffer pH)	Unit	6.734
Water Soluble Carbon	mg kg	185
Water Soluble C:N (WSOC:NO3-N)	Unit	17
Aluminum, Extractable	mg kg	290
Iron, Extractable (Optional)	mg kg	47

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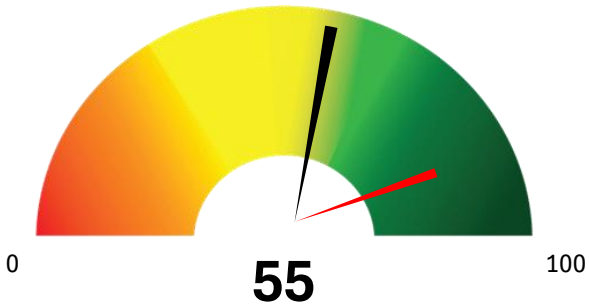
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United States

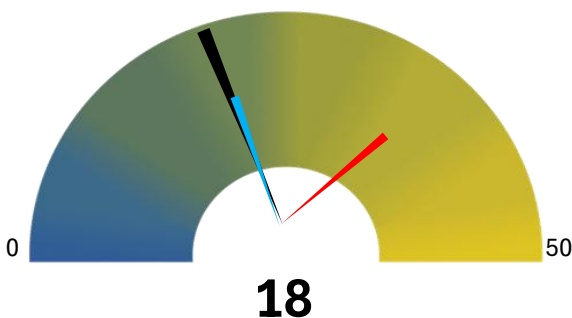
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Your Sample: **Soil Row7 Zone 9**  
Received / Reported: 15/Apr/25 | 19/May/25  
Intended Crop: *Vegetables- Intense*

Soil Health Panel	Units		RANKING:
Microbial Rate	ppm	65.4	Optimal
Solvita Response	( 0 - 6)	3.87	Medium
Soil Amino-N	ppm	33	Low
Crumb Aggregates	Vol %	15	Low
Scoop Bulk Density	g/cc	0.92	Optimal
Total Carbon	%	1.620	Medium

Nutrients as: lb/a	Interpretative Guidelines			Est Carbon: lb/a
	N	P205	K2O	
Soil Supply:	89	136	134	29,884
Crop Use:	175	30	195	
Difference:	86	0	61	
Suggested Need	123	30	20	Est CEC, meq
Other Notations	Low Status	Normal	Normal	13.9



**OVERALL FERTILITY SCORE**  
YOUR VALUE IS BLACK. RED LINE IS REGION-EXPECTED TARGET



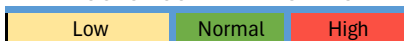
**SOIL HEALTH SCORE**  
YOUR VALUE IS BLACK POINTER.  
BLUE is Minimum and RED is Optimal Target  
Color range based on Solvita Color Scale

Green Manure/Cover Crop Recommendations

Types of Inter-planting Blends Suggested:

30% Legume 70% Grass/Non-Legume

COLOR SCALE KEY FOR TEST VALUES



## NUTRIENT PANEL

Analysis	Units	RESULT
Climate Zone at this Location	ZONE	5
Nitrogen as readily soluble NO3-N	ppm	7
Est. Seasonal Biological N-Release	lb/a	75
PMN (Avail. + N-Min) Nitrogen Potential	lb/a	89
Likelihood of N-Response based on Org-N	Rating	Likely
<b>Extractable Nutrients</b>		
Phosphorus , Extractable P	mg kg	32
Phosphorus - Carbonate Ext-P	mg kg	0.6
Potassium - Extractable K	mg kg	61
Calcium - Extractable Ca	mg kg	1534
Magnesium - Extractable Mg	mg kg	229
Sodium - Extractable Na	mg kg	67
<b>Rating Factors</b>		
Nutrient Index, Scale 0 - 100	Rating	73%
Most Limiting Factor		<b>N</b>
Cation Balance (Molar Ratio: K ÷ [Ca + Mg] )	Optimal	<b>1.6%</b>
<b>Other Factors</b>		
pH in water 1:1	Unit	6.585
Optional test (buffer pH)	Unit	6.615
Water Soluble Carbon	mg kg	188
Water Soluble C:N (WSOC:NO3-N)	Unit	25
Aluminum, Extractable	mg kg	355
Iron, Extractable (Optional)	mg kg	62

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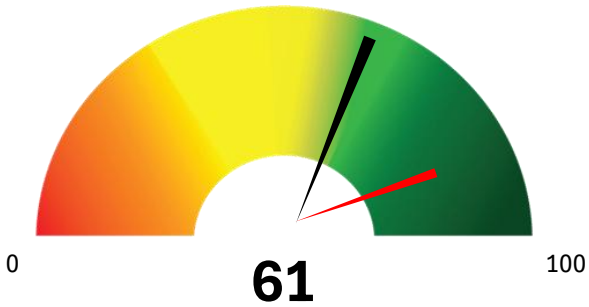
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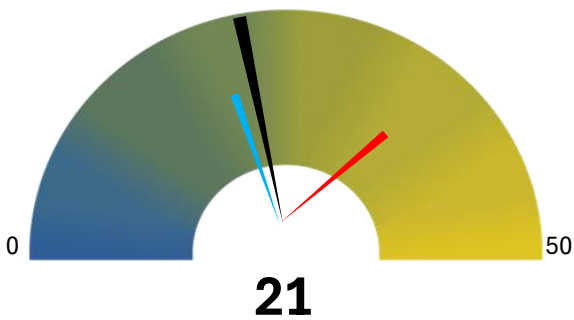
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Your Sample: Soil Row7 Zone 10  
Received / Reported: 15/Apr/25 | 19/May/25  
Intended Crop: Vegetables- Intense

Soil Health Panel	Units		RANKING:
Microbial Rate	ppm	96.8	Optimal
Solvita Response	( 0 - 6 )	4.26	Medium
Soil Amino-N	ppm	40	Low
Crumb Aggregates	Vol %	16	Low
Scoop Bulk Density	g/cc	0.88	Optimal
Total Carbon	%	1.740	Medium

Nutrients as: lb/a	Interpretative Guidelines			Est Carbon: lb/a
	N	P2O5	K2O	
Soil Supply:	128	124	130	30,752
Crop Use:	175	30	195	
Difference:	47	0	65	
Suggested Need	123	30	19	Est CEC, meq
Other Notations	Low Status	Normal	Normal	13.7



**OVERALL FERTILITY SCORE**  
YOUR VALUE IS BLACK. RED LINE IS REGION-EXPECTED TARGET



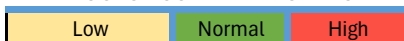
**SOIL HEALTH SCORE**  
YOUR VALUE IS BLACK POINTER.  
BLUE is Minimum and RED is Optimal Target  
Color range based on Solvita Color Scale

Green Manure/Cover Crop Recommendations

Types of Inter-planting Blends Suggested:

20% Legume 80% Grass/Non-legume

COLOR SCALE KEY FOR TEST VALUES



## NUTRIENT PANEL

Analysis	Units	RESULT
Climate Zone at this Location	ZONE	5
Nitrogen as readily soluble NO3-N	ppm	9
Est. Seasonal Biological N-Release	lb/a	111
PMN (Avail. + N-Min) Nitrogen Potential	lb/a	128
Likelihood of N-Response based on Org-N	Rating	Likely
<b>Extractable Nutrients</b>		
Phosphorus , Extractable P	mg kg	31
Phosphorus - Carbonate Ext-P	mg kg	1.6
Potassium - Extractable K	mg kg	61
Calcium - Extractable Ca	mg kg	1609
Magnesium - Extractable Mg	mg kg	212
Sodium - Extractable Na	mg kg	38
<b>Rating Factors</b>		
Nutrient Index, Scale 0 - 100	Rating	80%
Most Limiting Factor		K
Cation Balance (Molar Ratio: K ÷ [Ca + Mg] )	Optimal	1.6%
<b>Other Factors</b>		
pH in water 1:1	Unit	6.617
Optional test (buffer pH)	Unit	6.646
Water Soluble Carbon	mg kg	220
Water Soluble C:N (WSOC:NO3-N)	Unit	24
Aluminum, Extractable	mg kg	318
Iron, Extractable (Optional)	mg kg	72

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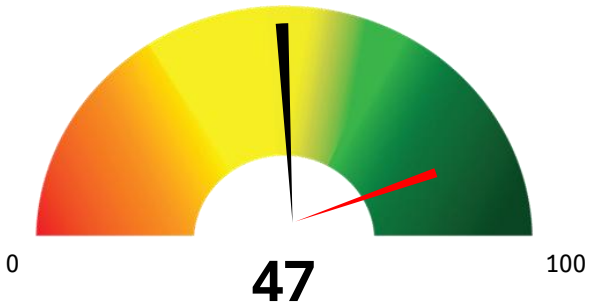
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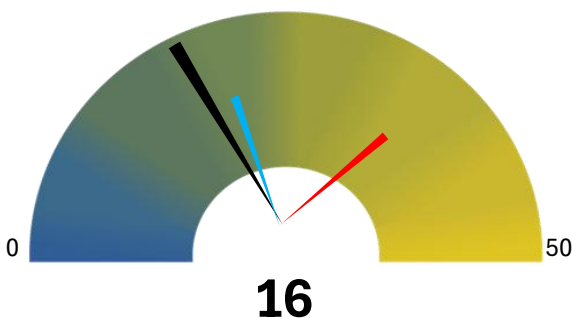
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Soil Orders: Inceptisol-Udepts / Alfisol-Aqualfs / \*  
Your Sample: Soil Row7 Zone 11  
Received / Reported: 15/Apr/25 | 19/May/25  
Intended Crop: Vegetables- Intense

Soil Health Panel	Units		RANKING:
Microbial Rate	ppm	63.8	Optimal
Solvita Response	( 0 - 6)	3.91	Medium
Soil Amino-N	ppm	<12.7	Low
Crumb Aggregates	Vol %	31	Medium
Scoop Bulk Density	g/cc	0.98	Optimal
Total Carbon	%	0.655	Low

Nutrients as: lb/a	Interpretative Guidelines			Est Carbon: lb/a
	N	P2O5	K2O	
Soil Supply:	80	55	84	12,864
Crop Use:	175	30	195	
Difference:	95	0	111	
Suggested Need	123	30	35	Est CEC, meq
Other Notations	Low Status	Normal	Normal	12.1



**OVERALL FERTILITY SCORE**  
YOUR VALUE IS BLACK. RED LINE IS REGION-EXPECTED TARGET



**SOIL HEALTH SCORE**  
YOUR VALUE IS BLACK POINTER.  
BLUE is Minimum and RED is Optimal Target  
Color range based on Solvita Color Scale

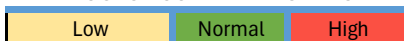
Green Manure/Cover Crop Recommendations

Types of Inter-planting Blends Suggested:

40% Legume 60% Grass/Non-Legume

Lime Suggestion 1.3 Lime tons/acre

COLOR SCALE KEY FOR TEST VALUES



## NUTRIENT PANEL

Analysis	Units	RESULT
Climate Zone at this Location	ZONE	5
Nitrogen as readily soluble NO3-N	ppm	3
Est. Seasonal Biological N-Release	lb/a	73
PMN (Avail. + N-Min) Nitrogen Potential	lb/a	80
Likelihood of N-Response based on Org-N	Rating	Likely
<b>Extractable Nutrients</b>		
Phosphorus , Extractable P	mg kg	12
Phosphorus - Carbonate Ext-P	mg kg	0.5
Potassium - Extractable K	mg kg	36
Calcium - Extractable Ca	mg kg	938
Magnesium - Extractable Mg	mg kg	198
Sodium - Extractable Na	mg kg	61
<b>Rating Factors</b>		
Nutrient Index, Scale 0 - 100	Rating	63%
Most Limiting Factor		K
Cation Balance (Molar Ratio: K ÷ [Ca + Mg] )	Optimal	1.4%
<b>Other Factors</b>		
pH in water 1:1	Unit	6.366
Optional test (buffer pH)	Unit	6.456
Water Soluble Carbon	mg kg	122
Water Soluble C:N (WSOC:NO3-N)	Unit	35
Aluminum, Extractable	mg kg	262
Iron, Extractable (Optional)	mg kg	72

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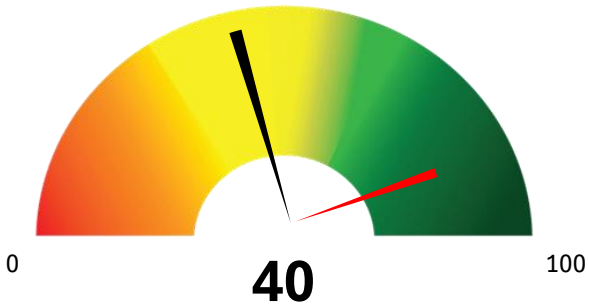
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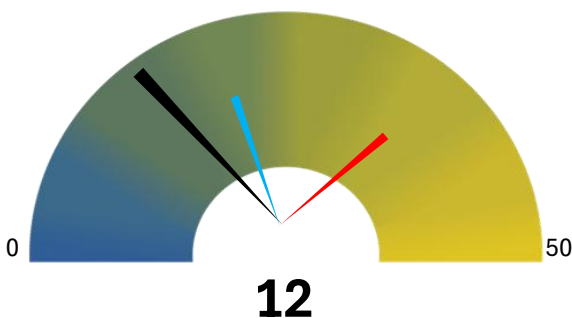
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**Your Sample:** Soil Row7 Zone 12  
**Received / Reported:** 15/Apr/25 | 19/May/25  
**Intended Crop:** Vegetables- Intense

Soil Health Panel	Units		RANKING:
Microbial Rate	ppm	27.9	V Low
Solvita Response	( 0 - 6)	2.97	Low
Soil Amino-N	ppm	<12.7	Low
Crumb Aggregates	Vol %	23	Low
Scoop Bulk Density	g/cc	0.99	Optimal
Total Carbon	%	0.704	Low

Nutrients as: lb/a	Interpretative Guidelines			Est Carbon: lb/a
	N	P2O5	K2O	
Soil Supply:	40	33	84	13,869
Crop Use:	175	30	195	
Difference:	135	0	111	
Suggested Need	123	30	26	Est CEC, meq
Other Notations	Low Status	Ex Low	Normal	10.5



**OVERALL FERTILITY SCORE**  
YOUR VALUE IS BLACK. RED LINE IS REGION-EXPECTED TARGET



**SOIL HEALTH SCORE**  
YOUR VALUE IS BLACK POINTER.  
BLUE is Minimum and RED is Optimal Target  
Color range based on Solvita Color Scale

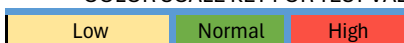
Green Manure/Cover Crop Recommendations

Types of Inter-planting Blends Suggested:

60% Legume 40% Grass/Non -Legume

Lime Suggestion 0

COLOR SCALE KEY FOR TEST VALUES



## NUTRIENT PANEL

Analysis	Units	RESULT
Climate Zone at this Location	ZONE	5
Nitrogen as readily soluble NO3-N	ppm	4
Est. Seasonal Biological N-Release	lb/a	32
PMN (Avail. + N-Min) Nitrogen Potential	lb/a	40
Likelihood of N-Response based on Org-N	Rating	Likely
<b>Extractable Nutrients</b>		
Phosphorus , Extractable P	mg kg	7
Phosphorus - Carbonate Ext-P	mg kg	0.2
Potassium - Extractable K	mg kg	36
Calcium - Extractable Ca	mg kg	920
Magnesium - Extractable Mg	mg kg	190
Sodium - Extractable Na	mg kg	46
<b>Rating Factors</b>		
Nutrient Index, Scale 0 - 100	Rating	55%
Most Limiting Factor		N
Cation Balance (Molar Ratio: K ÷ [Ca + Mg] )	Optimal	1.5%
<b>Other Factors</b>		
pH in water 1:1	Unit	6.534
Optional test (buffer pH)	Unit	6.601
Water Soluble Carbon	mg kg	121
Water Soluble C:N (WSOC:NO3-N)	Unit	29
Aluminum, Extractable	mg kg	274
Iron, Extractable (Optional)	mg kg	58

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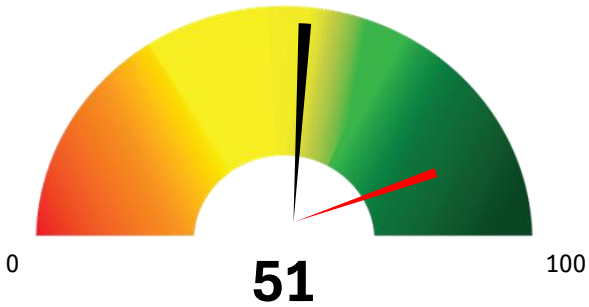
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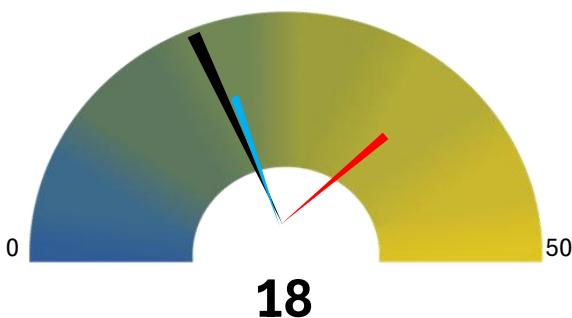
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**Your Sample:** Soil Row7 Zone 13  
**Received / Reported:** 15/Apr/25 | 19/May/25  
**Intended Crop:** Vegetables- Intense

Soil Health Panel	Units		RANKING:
Microbial Rate	ppm	71.6	Optimal
Solvita Response	( 0 - 6)	4.03	Medium
Soil Amino-N	ppm	38	Low
Crumb Aggregates	Vol %	13	Low
Scoop Bulk Density	g/cc	0.98	Optimal
Total Carbon	%	1.180	Med-Low

Nutrients as: lb/a	Interpretative Guidelines			Est Carbon: lb/a
	N	P2O5	K2O	
Soil Supply:	95	70	89	23,034
Crop Use:	175	30	195	
Difference:	80	0	106	
Suggested Need	123	30	27	Est CEC, meq
Other Notations	Low Status	Normal	Normal	11.1



**OVERALL FERTILITY SCORE**  
YOUR VALUE IS BLACK. RED LINE IS REGION-EXPECTED TARGET



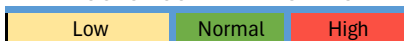
**SOIL HEALTH SCORE**  
YOUR VALUE IS BLACK POINTER.  
BLUE is Minimum and RED is Optimal Target  
Color range based on Solvita Color Scale

Green Manure/Cover Crop Recommendations

Types of Inter-planting Blends Suggested:

30% Legume 70% Grass/Non-Legume

COLOR SCALE KEY FOR TEST VALUES



## NUTRIENT PANEL

Analysis	Units	RESULT
Climate Zone at this Location	ZONE	5
Nitrogen as readily soluble NO3-N	ppm	7
Est. Seasonal Biological N-Release	lb/a	82
PMN (Avail. + N-Min) Nitrogen Potential	lb/a	95
Likelihood of N-Response based on Org-N	Rating	Likely
<b>Extractable Nutrients</b>		
Phosphorus , Extractable P	mg kg	16
Phosphorus - Carbonate Ext-P	mg kg	0.5
Potassium - Extractable K	mg kg	38
Calcium - Extractable Ca	mg kg	1065
Magnesium - Extractable Mg	mg kg	198
Sodium - Extractable Na	mg kg	57
<b>Rating Factors</b>		
Nutrient Index, Scale 0 - 100	Rating	67%
Most Limiting Factor		K
Cation Balance (Molar Ratio: K ÷ [Ca + Mg] )	Optimal	1.4%
<b>Other Factors</b>		
pH in water 1:1	Unit	6.678
Optional test (buffer pH)	Unit	6.625
Water Soluble Carbon	mg kg	181
Water Soluble C:N (WSOC:NO3-N)	Unit	26
Aluminum, Extractable	mg kg	366
Iron, Extractable (Optional)	mg kg	41

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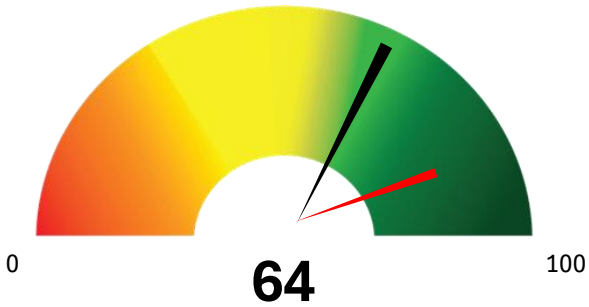
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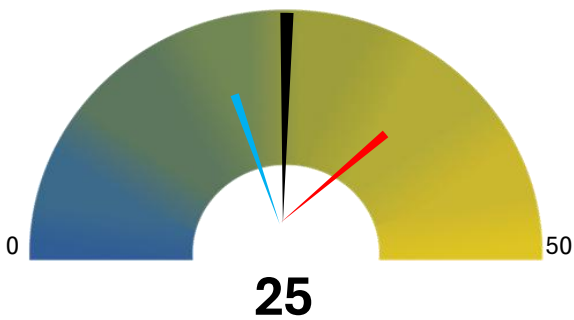
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Your Sample: Soil Row7 Zone 14  
Received / Reported: 15/Apr/25 | 19/May/25  
Intended Crop: Vegetables- Intense

Soil Health Panel	Units		RANKING:
Microbial Rate	ppm	87.7	Optimal
Solvita Response	( 0 - 6)	4.18	Medium
Soil Amino-N	ppm	166	Optimal
Crumb Aggregates	Vol %	24	Low
Scoop Bulk Density	g/cc	0.90	Optimal
Total Carbon	%	2.050	Med-High

Nutrients as: lb/a	Interpretative Guidelines			Est Carbon: lb/a
	N	P205	K2O	
Soil Supply:	134	120	113	37,023
Crop Use:	175	30	195	
Difference:	41	0	82	
Suggested Need	66	30	34	Est CEC, meq
Other Notations	OK	Normal	Normal	14.6



**OVERALL FERTILITY SCORE**  
YOUR VALUE IS BLACK. RED LINE IS REGION-EXPECTED TARGET



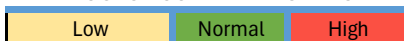
**SOIL HEALTH SCORE**  
YOUR VALUE IS BLACK POINTER.  
BLUE is Minimum and RED is Optimal Target  
Color range based on Solvita Color Scale

Green Manure/Cover Crop Recommendations

Types of Inter-planting Blends Suggested:

20% Legume 80% Grass/Non-legume

COLOR SCALE KEY FOR TEST VALUES



## NUTRIENT PANEL

Analysis	Units	RESULT
Climate Zone at this Location	ZONE	5
Nitrogen as readily soluble NO <sub>3</sub> -N	ppm	18
Est. Seasonal Biological N-Release	lb/a	101
PMN (Avail. + N-Min) Nitrogen Potential	lb/a	134
Likelihood of N-Response based on Org-N	Rating	Moderate
Extractable Nutrients		
Phosphorus , Extractable P	mg kg	29
Phosphorus - Carbonate Ext-P	mg kg	0.5
Potassium - Extractable K	mg kg	52
Calcium - Extractable Ca	mg kg	1588
Magnesium - Extractable Mg	mg kg	233
Sodium - Extractable Na	mg kg	68
Rating Factors		
Nutrient Index, Scale 0 - 100	Rating	78%
Most Limiting Factor		K
Cation Balance (Molar Ratio: K ÷ [Ca + Mg] )	Optimal	1.4%
Other Factors		
pH in water 1:1	Unit	6.675
Optional test (buffer pH)	Unit	6.568
Water Soluble Carbon	mg kg	212
Water Soluble C:N (WSOC:NO <sub>3</sub> -N)	Unit	12
Aluminum, Extractable	mg kg	506
Iron, Extractable (Optional)	mg kg	49

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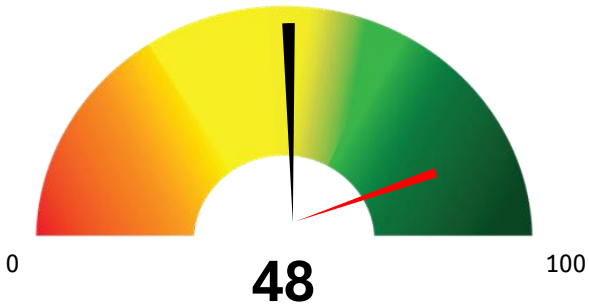
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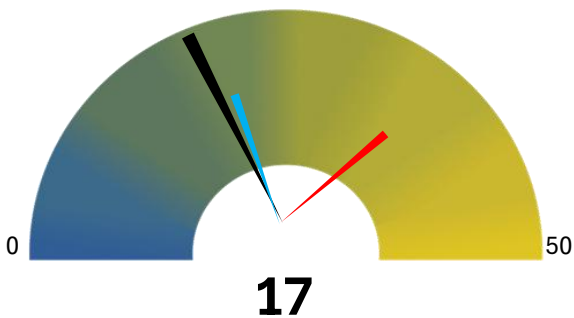
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Soil Orders: Inceptisol-Udepts / Alfisol-Aqualfs / \*  
Your Sample: **Soil Row7 Zone 15**  
Received / Reported: 15/Apr/25 | 19/May/25  
Intended Crop: *Vegetables- Intense*

Soil Health Panel	Units		RANKING:
Microbial Rate	ppm	59.4	Med-Low
Solvita Response	( 0 - 6 )	3.79	Medium
Soil Amino-N	ppm	34	Low
Crumb Aggregates	Vol %	16	Low
Scoop Bulk Density	g/cc	0.95	Optimal
Total Carbon	%	1.330	Med-Low

Nutrients as: lb/a	Interpretative Guidelines			Est Carbon: lb/a
	N	P205	K2O	
Soil Supply:	78	58	84	25,199
Crop Use:	175	30	195	
Difference:	97	0	111	
Suggested Need	123	30	28	Est CEC, meq
Other Notations	Low Status	Normal	Normal	11.1



**OVERALL FERTILITY SCORE**  
YOUR VALUE IS BLACK. RED LINE IS REGION-EXPECTED TARGET



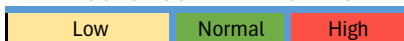
**SOIL HEALTH SCORE**  
YOUR VALUE IS BLACK POINTER.  
BLUE is Minimum and RED is Optimal Target  
Color range based on Solvita Color Scale

Green Manure/Cover Crop Recommendations

Types of Inter-planting Blends Suggested:

40% Legume 60% Grass/Non-Legume

COLOR SCALE KEY FOR TEST VALUES



## NUTRIENT PANEL

Analysis	Units	RESULT
Climate Zone at this Location	ZONE	5
Nitrogen as readily soluble NO3-N	ppm	5
Est. Seasonal Biological N-Release	lb/a	68
PMN (Avail. + N-Min) Nitrogen Potential	lb/a	78
Likelihood of N-Response based on Org-N	Rating	Likely
<b>Extractable Nutrients</b>		
Phosphorus , Extractable P	mg kg	13
Phosphorus - Carbonate Ext-P	mg kg	0.7
Potassium - Extractable K	mg kg	37
Calcium - Extractable Ca	mg kg	1089
Magnesium - Extractable Mg	mg kg	196
Sodium - Extractable Na	mg kg	67
<b>Rating Factors</b>		
Nutrient Index, Scale 0 - 100	Rating	63%
Most Limiting Factor		<b>K</b>
Cation Balance (Molar Ratio: K ÷ [Ca + Mg] )	Optimal	<b>1.3%</b>
<b>Other Factors</b>		
pH in water 1:1	Unit	6.694
Optional test (buffer pH)	Unit	6.635
Water Soluble Carbon	mg kg	168
Water Soluble C:N (WSOC:NO3-N)	Unit	31
Aluminum, Extractable	mg kg	381
Iron, Extractable (Optional)	mg kg	49

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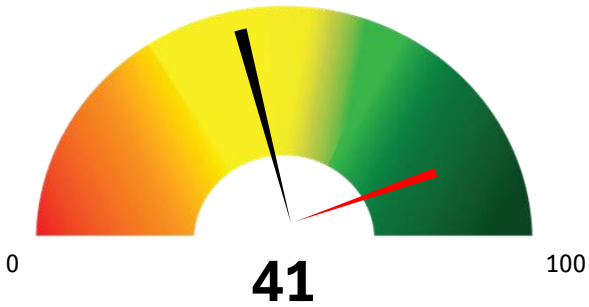
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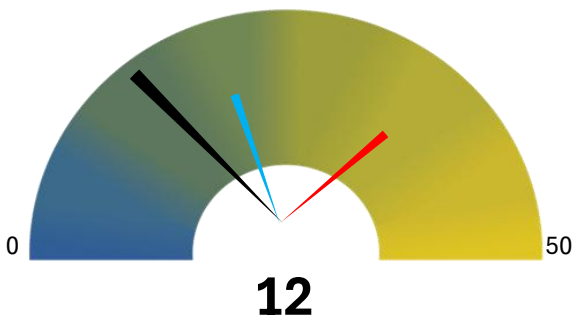
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Soil Orders: Inceptisol-Udepts / Alfisol-Aqualfs / \*  
Your Sample: Soil Row7 Zone 16  
Received / Reported: 15/Apr/25 | 19/May/25  
Intended Crop: Vegetables- Intense

Soil Health Panel	Units		RANKING:
Microbial Rate	ppm	35.0	Med-Low
Solvita Response	( 0 - 6 )	3.32	Medium
Soil Amino-N	ppm	19	Low
Crumb Aggregates	Vol %	9	Low
Scoop Bulk Density	g/cc	1.07	Optimal
Total Carbon	%	0.706	Low

Nutrients as: lb/a	Interpretative Guidelines			Est Carbon: lb/a
	N	P205	K2O	
Soil Supply:	52	38	84	15,094
Crop Use:	175	30	195	
Difference:	123	0	111	
Suggested Need	123	30	22	Est CEC, meq
Other Notations	Low Status	Normal	Normal	9.4



**OVERALL FERTILITY SCORE**  
YOUR VALUE IS BLACK. RED LINE IS REGION-EXPECTED TARGET



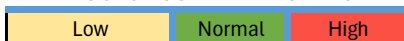
**SOIL HEALTH SCORE**  
YOUR VALUE IS BLACK POINTER.  
BLUE is Minimum and RED is Optimal Target  
Color range based on Solvita Color Scale

Green Manure/Cover Crop Recommendations

Types of Inter-planting Blends Suggested:

60% Legume 40% Grass/Non -Legume

COLOR SCALE KEY FOR TEST VALUES



## NUTRIENT PANEL

Analysis	Units	RESULT
Climate Zone at this Location	ZONE	5
Nitrogen as readily soluble NO3-N	ppm	7
Est. Seasonal Biological N-Release	lb/a	40
PMN (Avail. + N-Min) Nitrogen Potential	lb/a	52
Likelihood of N-Response based on Org-N	Rating	Likely
<b>Extractable Nutrients</b>		
Phosphorus , Extractable P	mg kg	8
Phosphorus - Carbonate Ext-P	mg kg	0.9
Potassium - Extractable K	mg kg	33
Calcium - Extractable Ca	mg kg	970
Magnesium - Extractable Mg	mg kg	199
Sodium - Extractable Na	mg kg	58
<b>Rating Factors</b>		
Nutrient Index, Scale 0 - 100	Rating	58%
Most Limiting Factor		N
Cation Balance (Molar Ratio: K ÷ [Ca + Mg] )	Optimal	1.3%
<b>Other Factors</b>		
pH in water 1:1	Unit	6.828
Optional test (buffer pH)	Unit	6.743
Water Soluble Carbon	mg kg	124
Water Soluble C:N (WSOC:NO3-N)	Unit	19
Aluminum, Extractable	mg kg	321
Iron, Extractable (Optional)	mg kg	51

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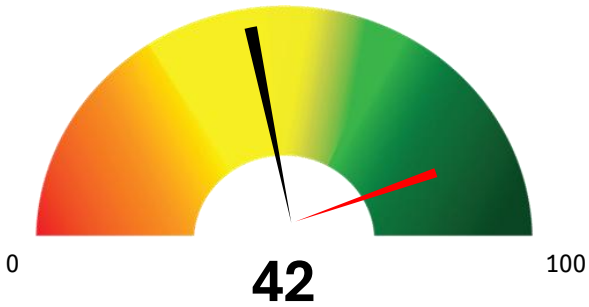
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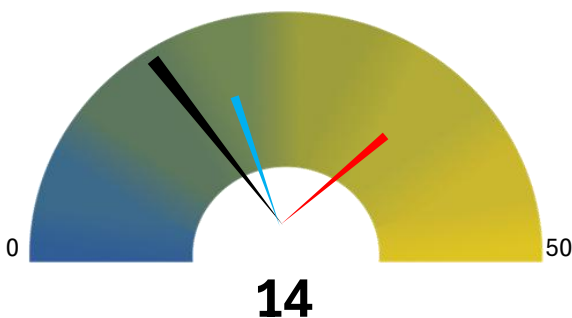
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**Received / Reported:** 15/Apr/25 | 19/May/25  
**Intended Crop:** Vegetables- Intense

Soil Health Panel	Units		RANKING:
Microbial Rate	ppm	37.7	Med-Low
Solvita Response	( 0 - 6)	3.36	Medium
Soil Amino-N	ppm	<12.2	Low
Crumb Aggregates	Vol %	18	Low
Scoop Bulk Density	g/cc	1.03	Optimal
Total Carbon	%	0.945	Low

Nutrients as: lb/a	Interpretative Guidelines			Est Carbon: lb/a
	N	P2O5	K2O	
Soil Supply:	58	31	74	19,442
Crop Use:	175	30	195	
Difference:	117	0	121	
Suggested Need	123	30	31	Est CEC, meq
Other Notations	Low Status	Ex Low	Normal	10.5



**OVERALL FERTILITY SCORE**  
YOUR VALUE IS BLACK. RED LINE IS REGION-EXPECTED TARGET



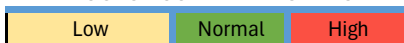
**SOIL HEALTH SCORE**  
YOUR VALUE IS BLACK POINTER.  
BLUE is Minimum and RED is Optimal Target  
Color range based on Solvita Color Scale

Green Manure/Cover Crop Recommendations

Types of Inter-planting Blends Suggested:

50% Legume 50% Grass/Non-Legume

**Lime Suggestion** 1.2 Lime tons/acre  
COLOR SCALE KEY FOR TEST VALUES



## NUTRIENT PANEL

Analysis	Units	RESULT
Climate Zone at this Location	ZONE	5
Nitrogen as readily soluble NO3-N	ppm	8
Est. Seasonal Biological N-Release	lb/a	43
PMN (Avail. + N-Min) Nitrogen Potential	lb/a	58
Likelihood of N-Response based on Org-N	Rating	Likely
<b>Extractable Nutrients</b>		
Phosphorus , Extractable P	mg kg	7
Phosphorus - Carbonate Ext-P	mg kg	0.7
Potassium - Extractable K	mg kg	30
Calcium - Extractable Ca	mg kg	809
Magnesium - Extractable Mg	mg kg	125
Sodium - Extractable Na	mg kg	52
<b>Rating Factors</b>		
Nutrient Index, Scale 0 - 100	Rating	57%
Most Limiting Factor		N
Cation Balance (Molar Ratio: K ÷ [Ca + Mg] )	Optimal	1.5%
<b>Other Factors</b>		
pH in water 1:1	Unit	6.059
Optional test (buffer pH)	Unit	6.489
Water Soluble Carbon	mg kg	143
Water Soluble C:N (WSOC:NO3-N)	Unit	17
Aluminum, Extractable	mg kg	365
Iron, Extractable (Optional)	mg kg	58

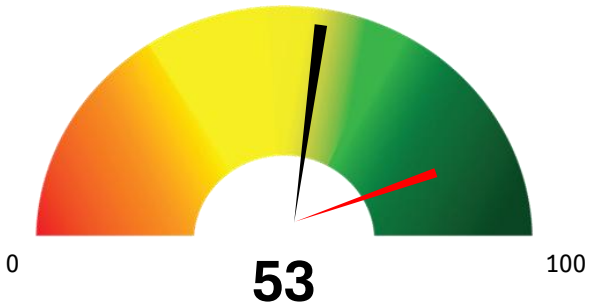
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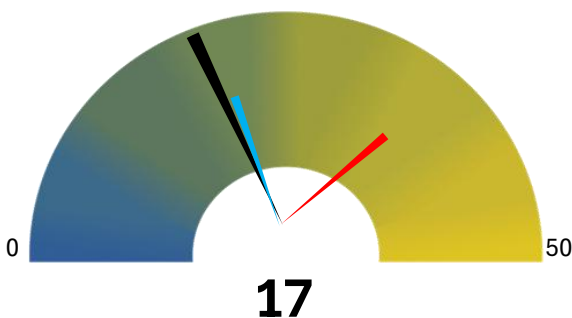
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**Your Sample:** Soil Row7 Zone 18  
**Received / Reported:** 15/Apr/25 | 19/May/25  
**Intended Crop:** Vegetables- Intense

Soil Health Panel	Units		RANKING:
Microbial Rate	ppm	72.4	Optimal
Solvita Response	( 0 - 6)	4.15	Medium
Soil Amino-N	ppm	47	Low
Crumb Aggregates	Vol %	16	Low
Scoop Bulk Density	g/cc	1.06	Optimal
Total Carbon	%	1.120	Med-Low

Nutrients as: lb/a	Interpretative Guidelines			Est Carbon: lb/a
	N	P2O5	K2O	
Soil Supply:	94	65	120	23,826
Crop Use:	175	30	195	
Difference:	81	0	75	
Suggested Need	123	30	12	Est CEC, meq
Other Notations	Low Status	Normal	Normal	10.1



**OVERALL FERTILITY SCORE**  
YOUR VALUE IS BLACK. RED LINE IS REGION-EXPECTED TARGET



**SOIL HEALTH SCORE**  
YOUR VALUE IS BLACK POINTER.  
BLUE is Minimum and RED is Optimal Target  
Color range based on Solvita Color Scale

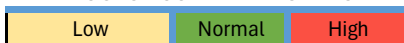
Green Manure/Cover Crop Recommendations

Types of Inter-planting Blends Suggested:

40% Legume 60% Grass/Non-Legume

**Lime Suggestion** 0.7 Lime tons/acre

COLOR SCALE KEY FOR TEST VALUES



## NUTRIENT PANEL

Analysis	Units	RESULT
Climate Zone at this Location	ZONE	5
Nitrogen as readily soluble NO3-N	ppm	6
Est. Seasonal Biological N-Release	lb/a	83
PMN (Avail. + N-Min) Nitrogen Potential	lb/a	94
Likelihood of N-Response based on Org-N	Rating	Likely
<b>Extractable Nutrients</b>		
Phosphorus , Extractable P	mg kg	13
Phosphorus - Carbonate Ext-P	mg kg	0.4
Potassium - Extractable K	mg kg	47
Calcium - Extractable Ca	mg kg	1021
Magnesium - Extractable Mg	mg kg	159
Sodium - Extractable Na	mg kg	63
<b>Rating Factors</b>		
Nutrient Index, Scale 0 - 100	Rating	72%
Most Limiting Factor		N
Cation Balance (Molar Ratio: K ÷ [Ca + Mg] )	Optimal	1.9%
<b>Other Factors</b>		
pH in water 1:1	Unit	6.169
Optional test (buffer pH)	Unit	6.668
Water Soluble Carbon	mg kg	150
Water Soluble C:N (WSOC:NO3-N)	Unit	26
Aluminum, Extractable	mg kg	296
Iron, Extractable (Optional)	mg kg	51

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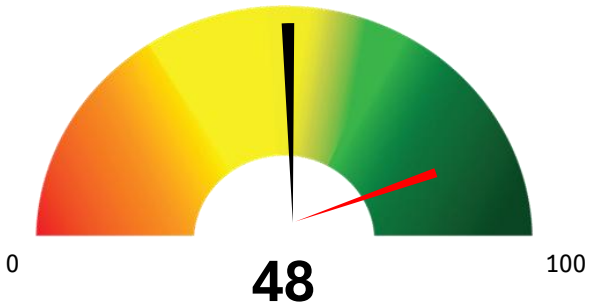
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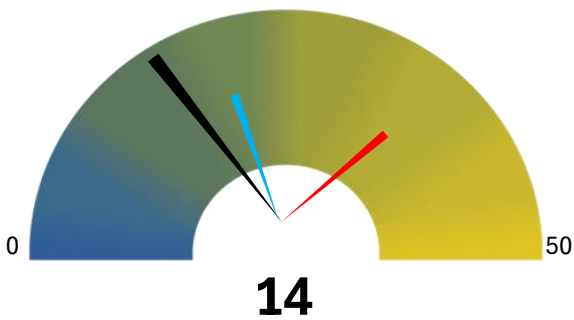
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**Your Sample:** Soil Row7 Zone 19  
**Received / Reported:** 15/Apr/25 | 19/May/25  
**Intended Crop:** Vegetables- Intense

Soil Health Panel	Units		RANKING:
Microbial Rate	ppm	48.6	Med-Low
Solvita Response	( 0 - 6 )	3.64	Medium
Soil Amino-N	ppm	<12.2	Low
Crumb Aggregates	Vol %	8	Low
Scoop Bulk Density	g/cc	1.02	Optimal
Total Carbon	%	1.070	Med-Low

Nutrients as: lb/a	Interpretative Guidelines			Est Carbon: lb/a
	N	P205	K2O	
Soil Supply:	67	105	132	21,857
Crop Use:	175	30	195	
Difference:	108	0	63	
Suggested Need	123	30	19	Est CEC, meq
Other Notations	Low Status	Normal	Normal	12.5



**OVERALL FERTILITY SCORE**  
YOUR VALUE IS BLACK. RED LINE IS REGION-EXPECTED TARGET



**SOIL HEALTH SCORE**  
YOUR VALUE IS BLACK POINTER.  
BLUE is Minimum and RED is Optimal Target  
Color range based on Solvita Color Scale

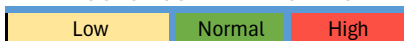
Green Manure/Cover Crop Recommendations

Types of Inter-planting Blends Suggested:

50% Legume 50% Grass/Non-Legume

Lime Suggestion 0 Lime tons/acre

COLOR SCALE KEY FOR TEST VALUES



## NUTRIENT PANEL

Analysis	Units	RESULT
Climate Zone at this Location	ZONE	5
Nitrogen as readily soluble NO3-N	ppm	6
Est. Seasonal Biological N-Release	lb/a	56
PMN (Avail. + N-Min) Nitrogen Potential	lb/a	67
Likelihood of N-Response based on Org-N	Rating	Likely
<b>Extractable Nutrients</b>		
Phosphorus , Extractable P	mg kg	22
Phosphorus - Carbonate Ext-P	mg kg	1.3
Potassium - Extractable K	mg kg	54
Calcium - Extractable Ca	mg kg	1376
Magnesium - Extractable Mg	mg kg	207
Sodium - Extractable Na	mg kg	62
<b>Rating Factors</b>		
Nutrient Index, Scale 0 - 100	Rating	69%
Most Limiting Factor		N
Cation Balance (Molar Ratio: K ÷ [Ca + Mg] )	Optimal	1.6%
<b>Other Factors</b>		
pH in water 1:1	Unit	6.480
Optional test (buffer pH)	Unit	6.655
Water Soluble Carbon	mg kg	141
Water Soluble C:N (WSOC:NO3-N)	Unit	23
Aluminum, Extractable	mg kg	287
Iron, Extractable (Optional)	mg kg	46

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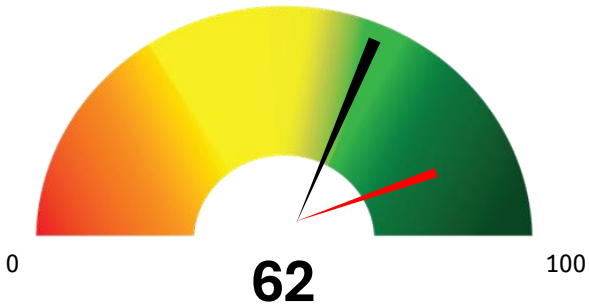
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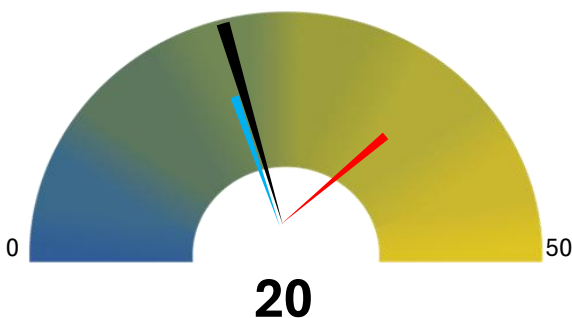
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Your Sample: Soil Row7 Zone 20  
Received / Reported: 15/Apr/25 | 19/May/25  
Intended Crop: Vegetables- Intense

Soil Health Panel	Units		RANKING:
Microbial Rate	ppm	93.9	Optimal
Solvita Response	( 0 - 6)	4.38	Medium
Soil Amino-N	ppm	64	Medium
Crumb Aggregates	Vol %	17	Low
Scoop Bulk Density	g/cc	1.01	Optimal
Total Carbon	%	1.330	Med-Low

Nutrients as: lb/a	Interpretative Guidelines			Est Carbon: lb/a
	N	P205	K2O	
Soil Supply:	130	136	151	26,884
Crop Use:	175	30	195	
Difference:	45	0	44	
Suggested Need	123	23	19	Est CEC, meq
Other Notations	Low Status	Normal	Normal	13.9



**OVERALL FERTILITY SCORE**  
YOUR VALUE IS BLACK. RED LINE IS REGION-EXPECTED TARGET



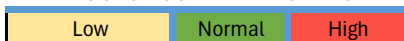
**SOIL HEALTH SCORE**  
YOUR VALUE IS BLACK POINTER.  
BLUE is Minimum and RED is Optimal Target  
Color range based on Solvita Color Scale

Green Manure/Cover Crop Recommendations

Types of Inter-planting Blends Suggested:

30% Legume 70% Grass/Non-Legume

COLOR SCALE KEY FOR TEST VALUES



## NUTRIENT PANEL

Analysis	Units	RESULT
Climate Zone at this Location	ZONE	5
Nitrogen as readily soluble NO3-N	ppm	12
Est. Seasonal Biological N-Release	lb/a	108
PMN (Avail. + N-Min) Nitrogen Potential	lb/a	130
Likelihood of N-Response based on Org-N	Rating	Likely
Extractable Nutrients		
Phosphorus , Extractable P	mg kg	29
Phosphorus - Carbonate Ext-P	mg kg	3.0
Potassium - Extractable K	mg kg	62
Calcium - Extractable Ca	mg kg	1529
Magnesium - Extractable Mg	mg kg	273
Sodium - Extractable Na	mg kg	28
Rating Factors		
Nutrient Index, Scale 0 - 100	Rating	84%
Most Limiting Factor		N
Cation Balance (Molar Ratio: K ÷ [Ca + Mg] )	Optimal	1.6%
Other Factors		
pH in water 1:1	Unit	6.593
Optional test (buffer pH)	Unit	6.625
Water Soluble Carbon	mg kg	170
Water Soluble C:N (WSOC:NO3-N)	Unit	14
Aluminum, Extractable	mg kg	329
Iron, Extractable (Optional)	mg kg	44

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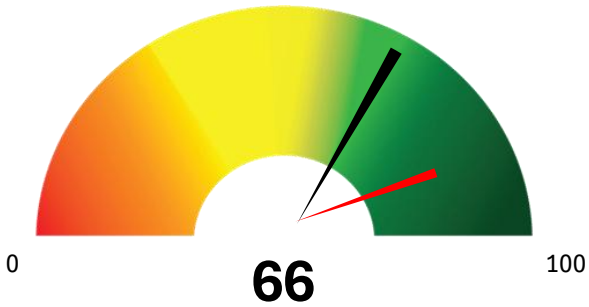
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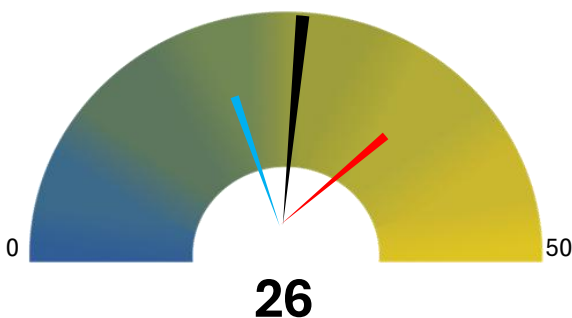
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**Your Sample:** Soil Row9 Zone 10  
**Received / Reported:** 15/Apr/25 | 19/May/25  
**Intended Crop:** Vegetables- Intense

Soil Health Panel	Units		RANKING:
Microbial Rate	ppm	121.2	High
Solvita Response	( 0 - 6 )	4.46	High
Soil Amino-N	ppm	123	Medium
Crumb Aggregates	Vol %	25	Medium
Scoop Bulk Density	g/cc	0.83	Optimal
Total Carbon	%	2.370	Med-High

Nutrients as: lb/a	Interpretative Guidelines			Est Carbon: lb/a
	N	P2O5	K2O	
Soil Supply:	158	39	91	39,484
Crop Use:	175	30	195	
Difference:	17	0	104	
Suggested Need	42	30	25	Est CEC, meq
Other Notations	Low Status	Normal	Normal	12.0



**OVERALL FERTILITY SCORE**  
YOUR VALUE IS BLACK. RED LINE IS REGION-EXPECTED TARGET



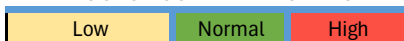
**SOIL HEALTH SCORE**  
YOUR VALUE IS BLACK POINTER.  
BLUE is Minimum and RED is Optimal Target  
Color range based on Solvita Color Scale

Green Manure/Cover Crop Recommendations

Types of Inter-planting Blends Suggested:

10% Legume 90% Grass/Non-Legume

**Lime Suggestion** 1.1 Lime tons/acre  
COLOR SCALE KEY FOR TEST VALUES



## NUTRIENT PANEL

Analysis	Units	RESULT
Climate Zone at this Location	ZONE	5
Nitrogen as readily soluble NO3-N	ppm	11
Est. Seasonal Biological N-Release	lb/a	139
PMN (Avail. + N-Min) Nitrogen Potential	lb/a	158
Likelihood of N-Response based on Org-N	Rating	Moderate

### Extractable Nutrients

Phosphorus , Extractable P	mg kg	10
Phosphorus - Carbonate Ext-P	mg kg	2.4
Potassium - Extractable K	mg kg	46
Calcium - Extractable Ca	mg kg	1127
Magnesium - Extractable Mg	mg kg	158
Sodium - Extractable Na	mg kg	44

### Rating Factors

Nutrient Index, Scale 0 - 100	Rating	79%
Most Limiting Factor		K
Cation Balance (Molar Ratio: K ÷ [Ca + Mg] )	Optimal	1.7%

### Other Factors

pH in water 1:1	Unit	6.357
Optional test (buffer pH)	Unit	6.526
Water Soluble Carbon	mg kg	196
Water Soluble C:N (WSOC:NO3-N)	Unit	19
Aluminum, Extractable	mg kg	304
Iron, Extractable (Optional)	mg kg	74

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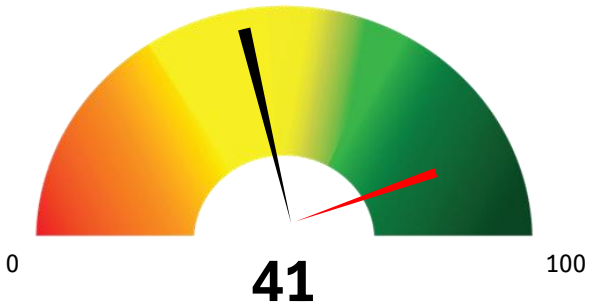
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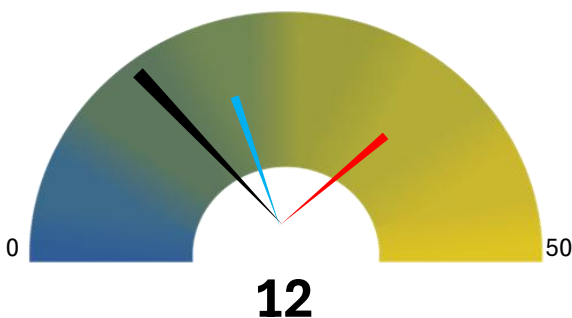
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**Soil Orders:** Inceptisol-Udepts / Alfisol-Aqualfs / \*  
**Your Sample:** Soil Row9 Zone 11  
**Received / Reported:** 15/Apr/25 | 19/May/25  
**Intended Crop:** Vegetables- Intense

Soil Health Panel	Units		RANKING:
Microbial Rate	ppm	33.9	Med-Low
Solvita Response	( 0 - 6 )	3.20	Low
Soil Amino-N	ppm	<12.7	Low
Crumb Aggregates	Vol %	16	Low
Scoop Bulk Density	g/cc	0.98	Optimal
Total Carbon	%	0.861	Low

Nutrients as: lb/a	Interpretative Guidelines			Est Carbon: lb/a
	N	P2O5	K2O	
Soil Supply:	50	42	89	16,956
Crop Use:	175	30	195	
Difference:	125	0	106	
Suggested Need	123	30	47	Est CEC, meq
Other Notations	Low Status	Normal	Normal	14.5



**OVERALL FERTILITY SCORE**  
YOUR VALUE IS BLACK. RED LINE IS REGION-EXPECTED TARGET



**SOIL HEALTH SCORE**  
YOUR VALUE IS BLACK POINTER.  
BLUE is Minimum and RED is Optimal Target  
Color range based on Solvita Color Scale

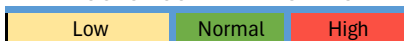
Green Manure/Cover Crop Recommendations

Types of Inter-planting Blends Suggested:

60% Legume 40% Grass/Non -Legume

**Lime Suggestion** 2.1 Lime tons/acre

COLOR SCALE KEY FOR TEST VALUES



## NUTRIENT PANEL

Analysis	Units	RESULT
Climate Zone at this Location	ZONE	5
Nitrogen as readily soluble NO3-N	ppm	6
Est. Seasonal Biological N-Release	lb/a	39
PMN (Avail. + N-Min) Nitrogen Potential	lb/a	50
Likelihood of N-Response based on Org-N	Rating	Likely
<b>Extractable Nutrients</b>		
Phosphorus , Extractable P	mg kg	9
Phosphorus - Carbonate Ext-P	mg kg	1.6
Potassium - Extractable K	mg kg	38
Calcium - Extractable Ca	mg kg	915
Magnesium - Extractable Mg	mg kg	141
Sodium - Extractable Na	mg kg	28
<b>Rating Factors</b>		
Nutrient Index, Scale 0 - 100	Rating	58%
Most Limiting Factor		N
Cation Balance (Molar Ratio: K ÷ [Ca + Mg] )	Optimal	1.7%
<b>Other Factors</b>		
pH in water 1:1	Unit	6.097
Optional test (buffer pH)	Unit	6.147
Water Soluble Carbon	mg kg	109
Water Soluble C:N (WSOC:NO3-N)	Unit	17
Aluminum, Extractable	mg kg	252
Iron, Extractable (Optional)	mg kg	36

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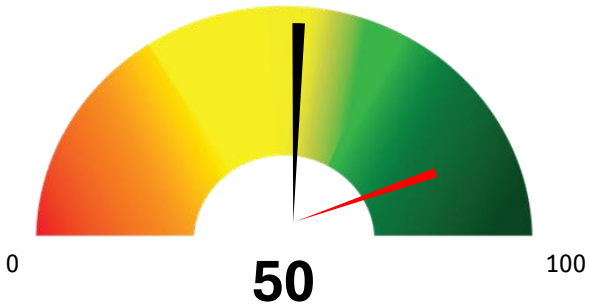
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United States

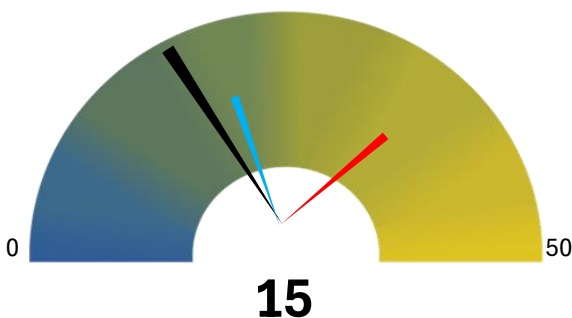
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**Your Sample:** Soil Row9 Zone 12  
**Received / Reported:** 15/Apr/25 | 19/May/25  
**Intended Crop:** Vegetables- Intense

Soil Health Panel	Units		RANKING:
Microbial Rate	ppm	54.3	Med-Low
Solvita Response	( 0 - 6 )	3.71	Medium
Soil Amino-N	ppm	23	Low
Crumb Aggregates	Vol %	22	Low
Scoop Bulk Density	g/cc	0.97	Optimal
Total Carbon	%	1.170	Med-Low

Nutrients as: lb/a	Interpretative Guidelines			Est Carbon: lb/a
	N	P205	K2O	
Soil Supply:	83	77	118	22,698
Crop Use:	175	30	195	
Difference:	92	0	77	
Suggested Need	123	30	38	Est CEC, meq
Other Notations	Low Status	Normal	Normal	15.1



**OVERALL FERTILITY SCORE**  
YOUR VALUE IS BLACK. RED LINE IS REGION-EXPECTED TARGET



**SOIL HEALTH SCORE**  
YOUR VALUE IS BLACK POINTER.  
BLUE is Minimum and RED is Optimal Target  
Color range based on Solvita Color Scale

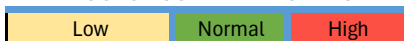
Green Manure/Cover Crop Recommendations

Types of Inter-planting Blends Suggested:

40% Legume 60% Grass/Non-Legume

**Lime Suggestion** 1.6 Lime tons/acre

COLOR SCALE KEY FOR TEST VALUES



## NUTRIENT PANEL

Analysis	Units	RESULT
Climate Zone at this Location	ZONE	5
Nitrogen as readily soluble NO3-N	ppm	11
Est. Seasonal Biological N-Release	lb/a	62
PMN (Avail. + N-Min) Nitrogen Potential	lb/a	83
Likelihood of N-Response based on Org-N	Rating	Likely
<b>Extractable Nutrients</b>		
Phosphorus , Extractable P	mg kg	17
Phosphorus - Carbonate Ext-P	mg kg	1.1
Potassium - Extractable K	mg kg	51
Calcium - Extractable Ca	mg kg	1292
Magnesium - Extractable Mg	mg kg	200
Sodium - Extractable Na	mg kg	65
<b>Rating Factors</b>		
Nutrient Index, Scale 0 - 100	Rating	69%
Most Limiting Factor		N
Cation Balance (Molar Ratio: K ÷ [Ca + Mg] )	Optimal	1.6%
<b>Other Factors</b>		
pH in water 1:1	Unit	6.317
Optional test (buffer pH)	Unit	6.348
Water Soluble Carbon	mg kg	97
Water Soluble C:N (WSOC:NO3-N)	Unit	9
Aluminum, Extractable	mg kg	338
Iron, Extractable (Optional)	mg kg	48

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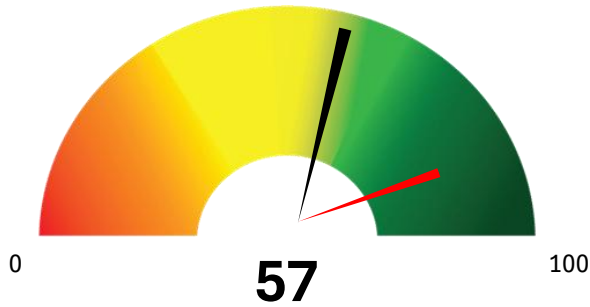
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United States

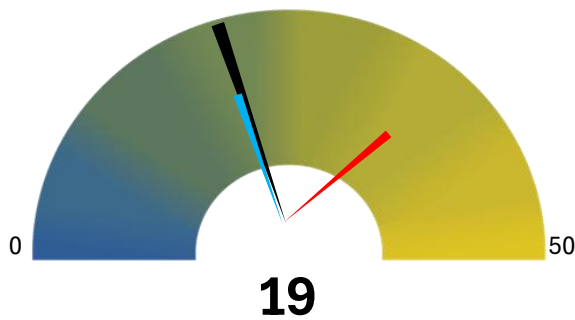
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Your Sample: Soil Row9 Zone 13  
Received / Reported: 15/Apr/25 | 19/May/25  
Intended Crop: Vegetables- Intense

Soil Health Panel	Units		RANKING:
Microbial Rate	ppm	81.0	Optimal
Solvita Response	( 0 - 6 )	4.38	Medium
Soil Amino-N	ppm	56	Medium
Crumb Aggregates	Vol %	25	Medium
Scoop Bulk Density	g/cc	1.17	Optimal
Total Carbon	%	1.480	Med-Low

Nutrients as: lb/a	Interpretative Guidelines			Est Carbon: lb/a
	N	P2O5	K2O	
Soil Supply:	118	70	110	34,662
Crop Use:	175	30	195	
Difference:	57	0	85	
Suggested Need	123	30	19	Est CEC, meq
Other Notations	Low Status	Normal	Normal	10.0



**OVERALL FERTILITY SCORE**  
YOUR VALUE IS BLACK. RED LINE IS REGION-EXPECTED TARGET



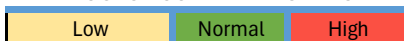
**SOIL HEALTH SCORE**  
YOUR VALUE IS BLACK POINTER.  
BLUE is Minimum and RED is Optimal Target  
Color range based on Solvita Color Scale

Green Manure/Cover Crop Recommendations

Types of Inter-planting Blends Suggested:

30% Legume 70% Grass/Non-Legume

COLOR SCALE KEY FOR TEST VALUES



## NUTRIENT PANEL

Analysis	Units	RESULT
Climate Zone at this Location	ZONE	5
Nitrogen as readily soluble NO3-N	ppm	14
Est. Seasonal Biological N-Release	lb/a	93
PMN (Avail. + N-Min) Nitrogen Potential	lb/a	118
Likelihood of N-Response based on Org-N	Rating	Likely
Extractable Nutrients		
Phosphorus , Extractable P	mg kg	13
Phosphorus - Carbonate Ext-P	mg kg	0.3
Potassium - Extractable K	mg kg	39
Calcium - Extractable Ca	mg kg	1000
Magnesium - Extractable Mg	mg kg	158
Sodium - Extractable Na	mg kg	18
Rating Factors		
Nutrient Index, Scale 0 - 100	Rating	75%
Most Limiting Factor		K
Cation Balance (Molar Ratio: K ÷ [Ca + Mg] )	Optimal	1.6%
Other Factors		
pH in water 1:1	Unit	6.583
Optional test (buffer pH)	Unit	6.648
Water Soluble Carbon	mg kg	111
Water Soluble C:N (WSOC:NO3-N)	Unit	8
Aluminum, Extractable	mg kg	228
Iron, Extractable (Optional)	mg kg	40

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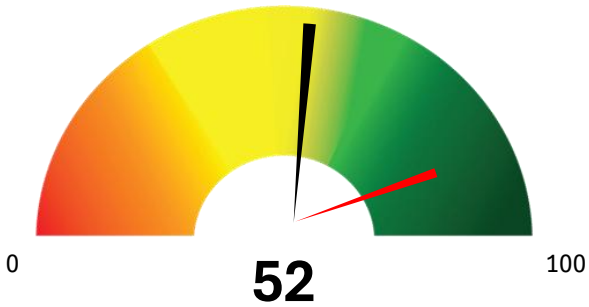
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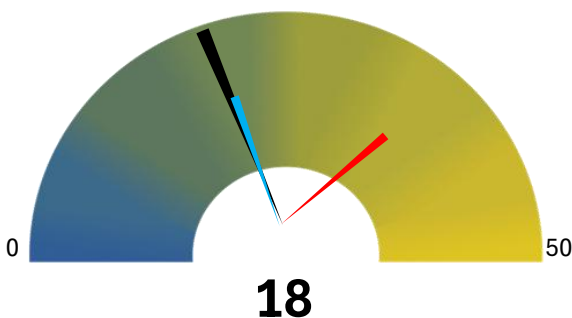
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Soil Orders: Inceptisol-Udepts / Alfisol-Aqualfs / \*  
Your Sample: Soil Row9 Zone 14  
Received / Reported: 15/Apr/25 | 19/May/25  
Intended Crop: Vegetables- Intense

Soil Health Panel	Units		RANKING:
Microbial Rate	ppm	71.7	Optimal
Solvita Response	( 0 - 6 )	4.03	Medium
Soil Amino-N	ppm	74	Medium
Crumb Aggregates	Vol %	27	Medium
Scoop Bulk Density	g/cc	0.98	Optimal
Total Carbon	%	1.230	Med-Low

Nutrients as: lb/a	Interpretative Guidelines			Est Carbon: lb/a
	N	P2O5	K2O	
Soil Supply:	106	67	77	23,985
Crop Use:	175	30	195	
Difference:	69	0	118	
Suggested Need	123	30	32	Est CEC, meq
Other Notations	Low Status	Normal	Normal	11.0



**OVERALL FERTILITY SCORE**  
YOUR VALUE IS BLACK. RED LINE IS REGION-EXPECTED TARGET



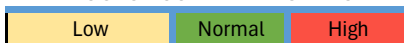
**SOIL HEALTH SCORE**  
YOUR VALUE IS BLACK POINTER.  
BLUE is Minimum and RED is Optimal Target  
Color range based on Solvita Color Scale

Green Manure/Cover Crop Recommendations

Types of Inter-planting Blends Suggested:

30% Legume 70% Grass/Non-Legume

COLOR SCALE KEY FOR TEST VALUES



## NUTRIENT PANEL

Analysis	Units	RESULT
Climate Zone at this Location	ZONE	5
Nitrogen as readily soluble NO3-N	ppm	13
Est. Seasonal Biological N-Release	lb/a	82
PMN (Avail. + N-Min) Nitrogen Potential	lb/a	106
Likelihood of N-Response based on Org-N	Rating	Likely
<b>Extractable Nutrients</b>		
Phosphorus , Extractable P	mg kg	15
Phosphorus - Carbonate Ext-P	mg kg	1.1
Potassium - Extractable K	mg kg	33
Calcium - Extractable Ca	mg kg	1013
Magnesium - Extractable Mg	mg kg	145
Sodium - Extractable Na	mg kg	44
<b>Rating Factors</b>		
Nutrient Index, Scale 0 - 100	Rating	67%
Most Limiting Factor		K
Cation Balance (Molar Ratio: K ÷ [Ca + Mg] )	Optimal	1.3%
<b>Other Factors</b>		
pH in water 1:1	Unit	6.595
Optional test (buffer pH)	Unit	6.550
Water Soluble Carbon	mg kg	105
Water Soluble C:N (WSOC:NO3-N)	Unit	8
Aluminum, Extractable	mg kg	308
Iron, Extractable (Optional)	mg kg	45

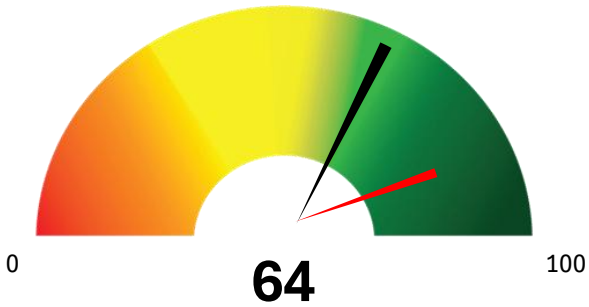
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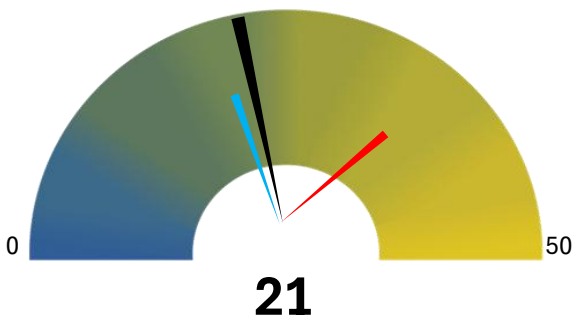
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Rainfall / Zone: 40 / APPALACHIAN HIGHLANDS  
Soil Orders: Inceptisol-Udepts / Alfisol-Aqualfs / \*  
Your Sample: Soil Row9 Zone 15  
Received / Reported: 15/Apr/25 | 19/May/25  
Intended Crop: Vegetables- Intense

Soil Health Panel	Units		RANKING:
Microbial Rate	ppm	113.8	High
Solvita Response	( 0 - 6 )	4.42	High
Soil Amino-N	ppm	70	Medium
Crumb Aggregates	Vol %	8	Low
Scoop Bulk Density	g/cc	0.86	Optimal
Total Carbon	%	2.070	Med-High

Nutrients as: lb/a	Interpretative Guidelines			Est Carbon: lb/a
	N	P205	K2O	
Soil Supply:	157	148	130	35,701
Crop Use:	175	30	195	
Difference:	18	0	65	
Suggested Need	123	15	12	Est CEC, meq
Other Notations	Low Status	Normal	Normal	12.8



**OVERALL FERTILITY SCORE**  
YOUR VALUE IS BLACK. RED LINE IS REGION-EXPECTED TARGET



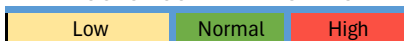
**SOIL HEALTH SCORE**  
YOUR VALUE IS BLACK POINTER.  
BLUE is Minimum and RED is Optimal Target  
Color range based on Solvita Color Scale

Green Manure/Cover Crop Recommendations

Types of Inter-planting Blends Suggested:

20% Legume 80% Grass/Non-legume

COLOR SCALE KEY FOR TEST VALUES



## NUTRIENT PANEL

Analysis	Units	RESULT
Climate Zone at this Location	ZONE	5
Nitrogen as readily soluble NO <sub>3</sub> -N	ppm	15
Est. Seasonal Biological N-Release	lb/a	131
PMN (Avail. + N-Min) Nitrogen Potential	lb/a	157
Likelihood of N-Response based on Org-N	Rating	Likely
Extractable Nutrients		
Phosphorus , Extractable P	mg kg	37
Phosphorus - Carbonate Ext-P	mg kg	5.1
Potassium - Extractable K	mg kg	63
Calcium - Extractable Ca	mg kg	1596
Magnesium - Extractable Mg	mg kg	261
Sodium - Extractable Na	mg kg	45
Rating Factors		
Nutrient Index, Scale 0 - 100	Rating	85%
Most Limiting Factor		K
Cation Balance (Molar Ratio: K ÷ [Ca + Mg] )	Optimal	1.6%
Other Factors		
pH in water 1:1	Unit	6.824
Optional test (buffer pH)	Unit	6.770
Water Soluble Carbon	mg kg	146
Water Soluble C:N (WSOC:NO <sub>3</sub> -N)	Unit	10
Aluminum, Extractable	mg kg	299
Iron, Extractable (Optional)	mg kg	50

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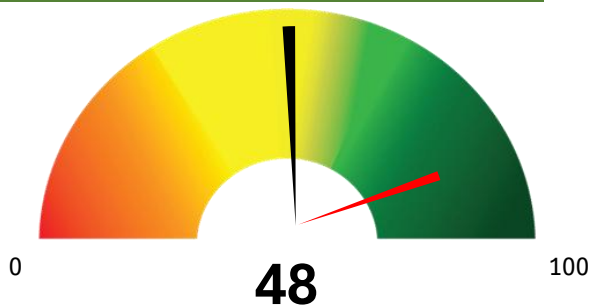
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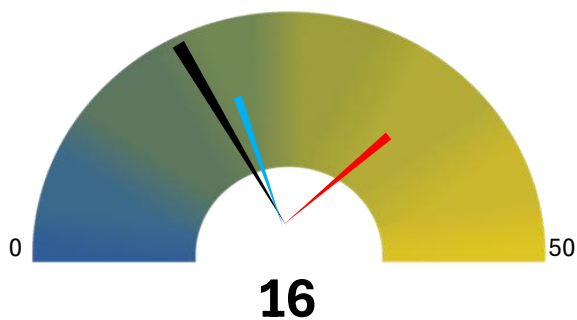
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**Your Sample:** Soil Row9 Zone 16  
**Received / Reported:** 15/Apr/25 | 19/May/25  
**Intended Crop:** Vegetables- Intense

Soil Health Panel	Units		RANKING:
Microbial Rate	ppm	70.5	Optimal
Solvita Response	( 0 - 6)	4.03	Medium
Soil Amino-N	ppm	23	Low
Crumb Aggregates	Vol %	16	Low
Scoop Bulk Density	g/cc	0.99	Optimal
Total Carbon	%	1.060	Med-Low

Nutrients as: lb/a	Interpretative Guidelines			Est Carbon: lb/a
	N	P205	K2O	
Soil Supply:	98	47	70	21,016
Crop Use:	175	30	195	
Difference:	77	0	125	
Suggested Need	123	30	30	Est CEC, meq
Other Notations	Low Status	Normal	Normal	10.1



**OVERALL FERTILITY SCORE**  
YOUR VALUE IS BLACK. RED LINE IS REGION-EXPECTED TARGET



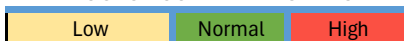
**SOIL HEALTH SCORE**  
YOUR VALUE IS BLACK POINTER.  
BLUE is Minimum and RED is Optimal Target  
Color range based on Solvita Color Scale

Green Manure/Cover Crop Recommendations

Types of Inter-planting Blends Suggested:

40% Legume 60% Grass/Non-Legume

COLOR SCALE KEY FOR TEST VALUES



## NUTRIENT PANEL

Analysis	Units	RESULT
Climate Zone at this Location	ZONE	5
Nitrogen as readily soluble NO3-N	ppm	9
Est. Seasonal Biological N-Release	lb/a	81
PMN (Avail. + N-Min) Nitrogen Potential	lb/a	98
Likelihood of N-Response based on Org-N	Rating	Likely
<b>Extractable Nutrients</b>		
Phosphorus , Extractable P	mg kg	10
Phosphorus - Carbonate Ext-P	mg kg	1.2
Potassium - Extractable K	mg kg	29
Calcium - Extractable Ca	mg kg	830
Magnesium - Extractable Mg	mg kg	146
Sodium - Extractable Na	mg kg	37
<b>Rating Factors</b>		
Nutrient Index, Scale 0 - 100	Rating	64%
Most Limiting Factor		K
Cation Balance (Molar Ratio: K ÷ [Ca + Mg] )	Optimal	1.4%
<b>Other Factors</b>		
pH in water 1:1	Unit	6.621
Optional test (buffer pH)	Unit	6.547
Water Soluble Carbon	mg kg	122
Water Soluble C:N (WSOC:NO3-N)	Unit	13
Aluminum, Extractable	mg kg	276
Iron, Extractable (Optional)	mg kg	57

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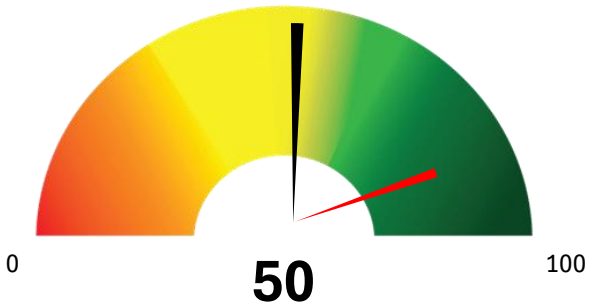
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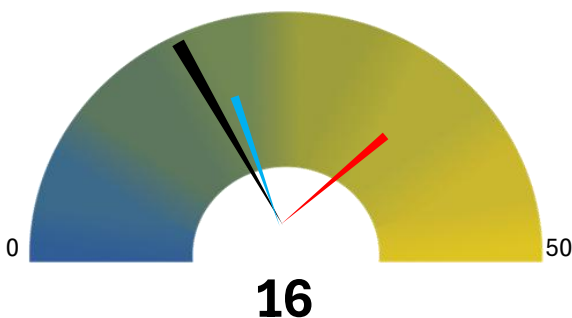
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**Soil Orders:** Inceptisol-Udepts / Alfisol-Aqualfs / \*  
**Your Sample:** Soil Row9 Zone 17  
**Received / Reported:** 15/Apr/25 | 19/May/25  
**Intended Crop:** Vegetables- Intense

Soil Health Panel	Units		RANKING:
Microbial Rate	ppm	77.1	Optimal
Solvita Response	( 0 - 6 )	4.03	Medium
Soil Amino-N	ppm	<13.8	Low
Crumb Aggregates	Vol %	18	Low
Scoop Bulk Density	g/cc	0.91	Optimal
Total Carbon	%	0.868	Low

Nutrients as: lb/a	Interpretative Guidelines			Est Carbon: lb/a
	N	P2O5	K2O	
Soil Supply:	103	50	82	15,746
Crop Use:	175	30	195	
Difference:	72	0	113	
Suggested Need	123	30	28	Est CEC, meq
Other Notations	Low Status	Normal	Normal	11.3



**OVERALL FERTILITY SCORE**  
YOUR VALUE IS BLACK. RED LINE IS REGION-EXPECTED TARGET



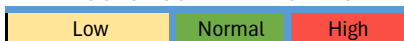
**SOIL HEALTH SCORE**  
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BLUE is Minimum and RED is Optimal Target  
Color range based on Solvita Color Scale

Green Manure/Cover Crop Recommendations

Types of Inter-planting Blends Suggested:

40% Legume 60% Grass/Non-Legume

COLOR SCALE KEY FOR TEST VALUES



## NUTRIENT PANEL

Analysis	Units	RESULT
Climate Zone at this Location	ZONE	5
Nitrogen as readily soluble NO3-N	ppm	8
Est. Seasonal Biological N-Release	lb/a	89
PMN (Avail. + N-Min) Nitrogen Potential	lb/a	103
Likelihood of N-Response based on Org-N	Rating	Likely
Extractable Nutrients		
Phosphorus , Extractable P	mg kg	12
Phosphorus - Carbonate Ext-P	mg kg	1.4
Potassium - Extractable K	mg kg	37
Calcium - Extractable Ca	mg kg	1131
Magnesium - Extractable Mg	mg kg	249
Sodium - Extractable Na	mg kg	64
Rating Factors		
Nutrient Index, Scale 0 - 100	Rating	67%
Most Limiting Factor		K
Cation Balance (Molar Ratio: K ÷ [Ca + Mg] )	Optimal	1.2%
Other Factors		
pH in water 1:1	Unit	6.695
Optional test (buffer pH)	Unit	6.684
Water Soluble Carbon	mg kg	148
Water Soluble C:N (WSOC:NO3-N)	Unit	18
Aluminum, Extractable	mg kg	304
Iron, Extractable (Optional)	mg kg	58

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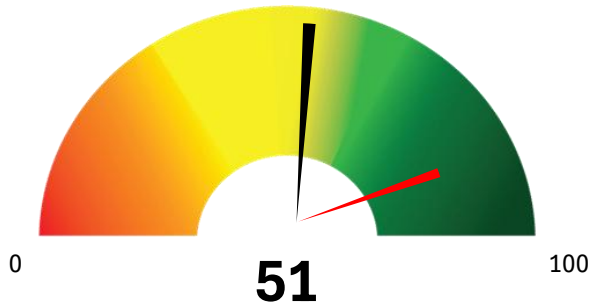
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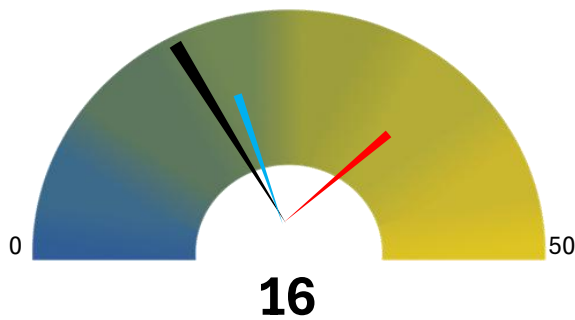
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**Soil Orders:** Inceptisol-Udepts / Alfisol-Aqualfs / \*  
**Your Sample:** Soil Row9 Zone 18  
**Received / Reported:** 15/Apr/25 | 19/May/25  
**Intended Crop:** Vegetables- Intense

Soil Health Panel	Units		RANKING:
Microbial Rate	ppm	68.0	Optimal
Solvita Response	( 0 - 6)	3.99	Medium
Soil Amino-N	ppm	30	Low
Crumb Aggregates	Vol %	10	Low
Scoop Bulk Density	g/cc	0.99	Optimal
Total Carbon	%	1.270	Med-Low

Nutrients as: lb/a	Interpretative Guidelines			Est Carbon: lb/a
	N	P2O5	K2O	
Soil Supply:	93	103	115	25,231
Crop Use:	175	30	195	
Difference:	82	0	80	
Suggested Need	123	30	10	Est CEC, meq
Other Notations	Low Status	Normal	Normal	10.0



**OVERALL FERTILITY SCORE**  
YOUR VALUE IS BLACK. RED LINE IS REGION-EXPECTED TARGET



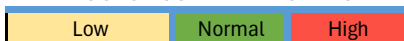
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Color range based on Solvita Color Scale

Green Manure/Cover Crop Recommendations

Types of Inter-planting Blends Suggested:

40% Legume 60% Grass/Non-Legume

COLOR SCALE KEY FOR TEST VALUES



## NUTRIENT PANEL

Analysis	Units	RESULT
Climate Zone at this Location	ZONE	5
Nitrogen as readily soluble NO3-N	ppm	8
Est. Seasonal Biological N-Release	lb/a	78
PMN (Avail. + N-Min) Nitrogen Potential	lb/a	93
Likelihood of N-Response based on Org-N	Rating	Likely
<b>Extractable Nutrients</b>		
Phosphorus , Extractable P	mg kg	23
Phosphorus - Carbonate Ext-P	mg kg	1.2
Potassium - Extractable K	mg kg	48
Calcium - Extractable Ca	mg kg	1161
Magnesium - Extractable Mg	mg kg	153
Sodium - Extractable Na	mg kg	49
<b>Rating Factors</b>		
Nutrient Index, Scale 0 - 100	Rating	71%
Most Limiting Factor		N
Cation Balance (Molar Ratio: K ÷ [Ca + Mg] )	Optimal	1.8%
<b>Other Factors</b>		
pH in water 1:1	Unit	6.735
Optional test (buffer pH)	Unit	6.746
Water Soluble Carbon	mg kg	115
Water Soluble C:N (WSOC:NO3-N)	Unit	14
Aluminum, Extractable	mg kg	251
Iron, Extractable (Optional)	mg kg	67

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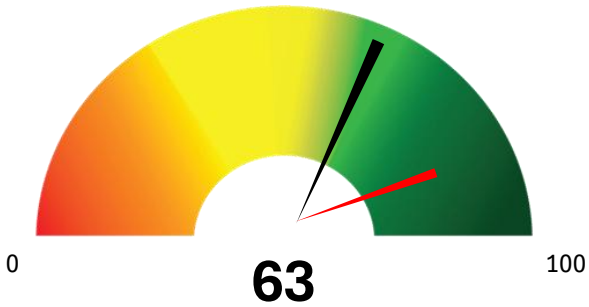
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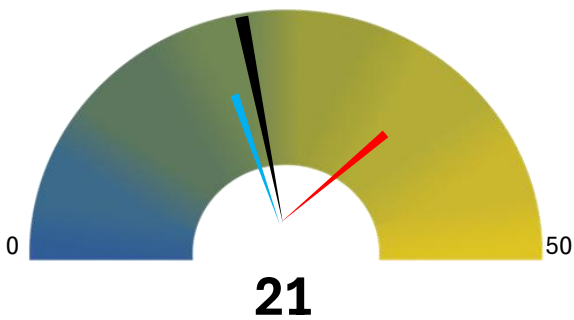
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Soil Orders: Inceptisol-Udepts / Alfisol-Aqualfs / \*  
Your Sample: Soil Row9 Zone 19  
Received / Reported: 15/Apr/25 | 19/May/25  
Intended Crop: Vegetables- Intense

Soil Health Panel	Units		RANKING:
Microbial Rate	ppm	110.9	High
Solvita Response	( 0 - 6)	4.42	High
Soil Amino-N	ppm	82	Medium
Crumb Aggregates	Vol %	21	Low
Scoop Bulk Density	g/cc	0.88	Optimal
Total Carbon	%	1.600	Medium

Nutrients as: lb/a	Interpretative Guidelines			Est Carbon: lb/a
	N	P205	K2O	
Soil Supply:	139	165	132	28,309
Crop Use:	175	30	195	
Difference:	36	0	63	
Suggested Need	123	30	23	Est CEC, meq
Other Notations	Low Status	Normal	Normal	14.6



**OVERALL FERTILITY SCORE**  
YOUR VALUE IS BLACK. RED LINE IS REGION-EXPECTED TARGET



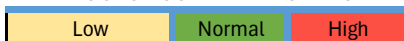
**SOIL HEALTH SCORE**  
YOUR VALUE IS BLACK POINTER.  
BLUE is Minimum and RED is Optimal Target  
Color range based on Solvita Color Scale

Green Manure/Cover Crop Recommendations

Types of Inter-planting Blends Suggested:

20% Legume 80% Grass/Non-legume

COLOR SCALE KEY FOR TEST VALUES



## NUTRIENT PANEL

Analysis	Units	RESULT
Climate Zone at this Location	ZONE	5
Nitrogen as readily soluble NO3-N	ppm	6
Est. Seasonal Biological N-Release	lb/a	128
PMN (Avail. + N-Min) Nitrogen Potential	lb/a	139
Likelihood of N-Response based on Org-N	Rating	Likely
<b>Extractable Nutrients</b>		
Phosphorus , Extractable P	mg kg	40
Phosphorus - Carbonate Ext-P	mg kg	1.9
Potassium - Extractable K	mg kg	62
Calcium - Extractable Ca	mg kg	1609
Magnesium - Extractable Mg	mg kg	263
Sodium - Extractable Na	mg kg	50
<b>Rating Factors</b>		
Nutrient Index, Scale 0 - 100	Rating	82%
Most Limiting Factor		K
Cation Balance (Molar Ratio: K ÷ [Ca + Mg] )	Optimal	1.6%
<b>Other Factors</b>		
pH in water 1:1	Unit	6.774
Optional test (buffer pH)	Unit	6.600
Water Soluble Carbon	mg kg	141
Water Soluble C:N (WSOC:NO3-N)	Unit	23
Aluminum, Extractable	mg kg	246
Iron, Extractable (Optional)	mg kg	72

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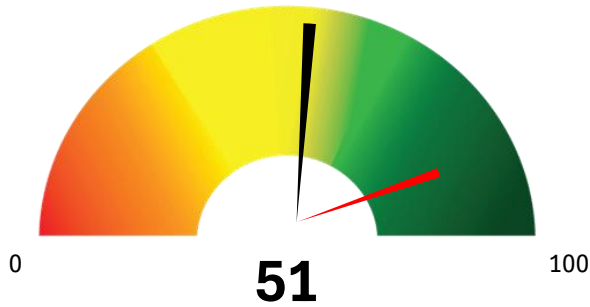
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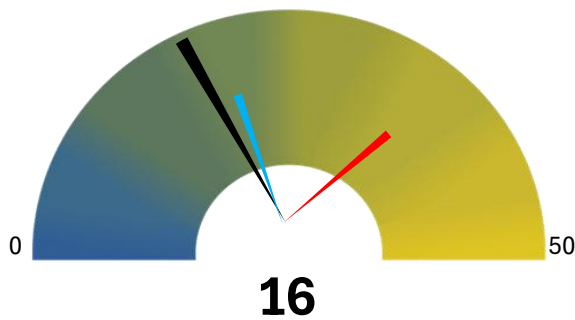
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**Received / Reported:** 15/Apr/25 | 19/May/25  
**Intended Crop:** Vegetables- Intense

Soil Health Panel	Units		RANKING:
Microbial Rate	ppm	58.6	Med-Low
Solvita Response	( 0 - 6)	3.71	Medium
Soil Amino-N	ppm	53	Medium
Crumb Aggregates	Vol %	15	Low
Scoop Bulk Density	g/cc	0.90	Optimal
Total Carbon	%	1.220	Med-Low

Nutrients as: lb/a	Interpretative Guidelines			Est Carbon: lb/a
	N	P205	K20	
Soil Supply:	88	95	115	21,927
Crop Use:	175	30	195	
Difference:	87	0	80	
Suggested Need	123	30	25	Est CEC, meq
Other Notations	Low Status	Normal	Normal	13.3



**OVERALL FERTILITY SCORE**  
YOUR VALUE IS BLACK. RED LINE IS REGION-EXPECTED TARGET



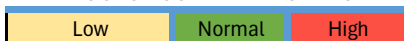
**SOIL HEALTH SCORE**  
YOUR VALUE IS BLACK POINTER.  
BLUE is Minimum and RED is Optimal Target  
Color range based on Solvita Color Scale

Green Manure/Cover Crop Recommendations

Types of Inter-planting Blends Suggested:

40% Legume 60% Grass/Non-Legume

COLOR SCALE KEY FOR TEST VALUES



## NUTRIENT PANEL

Analysis	Units	RESULT
Climate Zone at this Location	ZONE	5
Nitrogen as readily soluble NO3-N	ppm	11
Est. Seasonal Biological N-Release	lb/a	67
PMN (Avail. + N-Min) Nitrogen Potential	lb/a	88
Likelihood of N-Response based on Org-N	Rating	Likely
<b>Extractable Nutrients</b>		
Phosphorus , Extractable P	mg kg	23
Phosphorus - Carbonate Ext-P	mg kg	1.4
Potassium - Extractable K	mg kg	53
Calcium - Extractable Ca	mg kg	1520
Magnesium - Extractable Mg	mg kg	216
Sodium - Extractable Na	mg kg	71
<b>Rating Factors</b>		
Nutrient Index, Scale 0 - 100	Rating	70%
Most Limiting Factor		N
Cation Balance (Molar Ratio: K ÷ [Ca + Mg] )	Optimal	1.5%
<b>Other Factors</b>		
pH in water 1:1	Unit	6.767
Optional test (buffer pH)	Unit	6.650
Water Soluble Carbon	mg kg	136
Water Soluble C:N (WSOC:NO3-N)	Unit	12
Aluminum, Extractable	mg kg	341
Iron, Extractable (Optional)	mg kg	40

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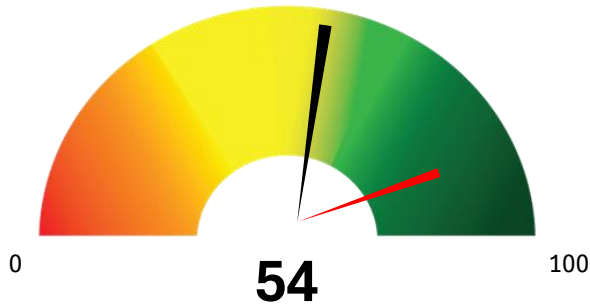
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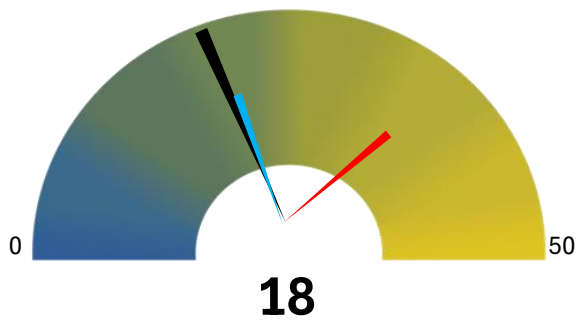
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Soil Orders: Inceptisol-Udepts / Alfisol-Aqualfs / \*  
Your Sample: **Soil Row8 Zone 1**  
Received / Reported: 15/Apr/25 | 19/May/25  
Intended Crop: *Vegetables- Intense*

Soil Health Panel	Units		RANKING:
Microbial Rate	ppm	79.4	Optimal
Solvita Response	( 0 - 6 )	3.99	Medium
Soil Amino-N	ppm	<14.7	Low
Crumb Aggregates	Vol %	16	Low
Scoop Bulk Density	g/cc	0.85	Optimal
Total Carbon	%	1.640	Medium

Nutrients as: lb/a	Interpretative Guidelines			Est Carbon: lb/a
	N	P205	K2O	
Soil Supply:	109	68	101	27,891
Crop Use:	175	30	195	
Difference:	66	0	94	
Suggested Need	123	30	32	Est CEC, meq
Other Notations	Low Status	Normal	Normal	13.9



**OVERALL FERTILITY SCORE**  
YOUR VALUE IS BLACK. RED LINE IS REGION-EXPECTED TARGET



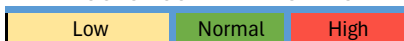
**SOIL HEALTH SCORE**  
YOUR VALUE IS BLACK POINTER.  
BLUE is Minimum and RED is Optimal Target  
Color range based on Solvita Color Scale

Green Manure/Cover Crop Recommendations

Types of Inter-planting Blends Suggested:

30% Legume 70% Grass/Non-Legume

COLOR SCALE KEY FOR TEST VALUES



## NUTRIENT PANEL

Analysis	Units	RESULT
Climate Zone at this Location	ZONE	5
Nitrogen as readily soluble NO3-N	ppm	10
Est. Seasonal Biological N-Release	lb/a	91
PMN (Avail. + N-Min) Nitrogen Potential	lb/a	109
Likelihood of N-Response based on Org-N	Rating	Likely
<b>Extractable Nutrients</b>		
Phosphorus , Extractable P	mg kg	17
Phosphorus - Carbonate Ext-P	mg kg	1.4
Potassium - Extractable K	mg kg	49
Calcium - Extractable Ca	mg kg	1638
Magnesium - Extractable Mg	mg kg	279
Sodium - Extractable Na	mg kg	73
<b>Rating Factors</b>		
Nutrient Index, Scale 0 - 100	Rating	71%
Most Limiting Factor		K
Cation Balance (Molar Ratio: K ÷ [Ca + Mg] )	Optimal	1.2%
<b>Other Factors</b>		
pH in water 1:1	Unit	6.976
Optional test (buffer pH)	Unit	6.704
Water Soluble Carbon	mg kg	151
Water Soluble C:N (WSOC:NO3-N)	Unit	16
Aluminum, Extractable	mg kg	326
Iron, Extractable (Optional)	mg kg	52

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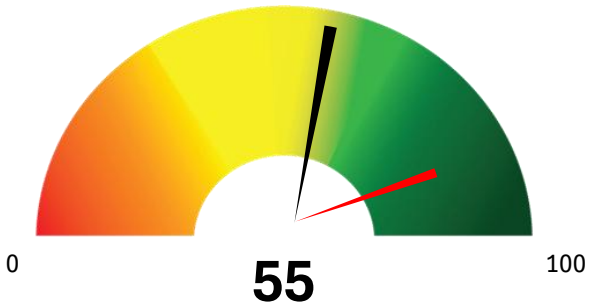
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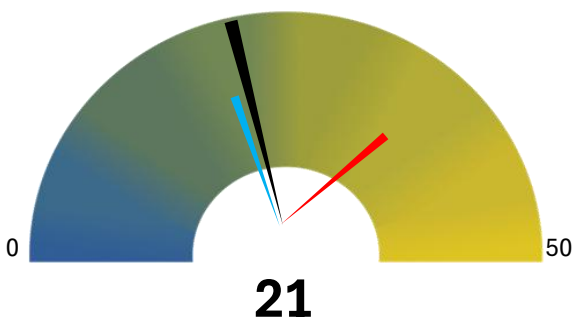
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**Your Sample:** Soil Row8 Zone 2  
**Received / Reported:** 15/Apr/25 | 19/May/25  
**Intended Crop:** Vegetables- Intense

Soil Health Panel	Units		RANKING:
Microbial Rate	ppm	85.3	Optimal
Solvita Response	( 0 - 6)	4.07	Medium
Soil Amino-N	ppm	103	Medium
Crumb Aggregates	Vol %	22	Low
Scoop Bulk Density	g/cc	0.85	Optimal
Total Carbon	%	1.460	Med-Low

Nutrients as: lb/a	Interpretative Guidelines			Est Carbon: lb/a
	N	P2O5	K2O	
Soil Supply:	116	37	77	24,703
Crop Use:	175	30	195	
Difference:	59	0	118	
Suggested Need	84	30	42	Est CEC, meq
Other Notations	Low Status	Normal	Normal	13.6



**OVERALL FERTILITY SCORE**  
YOUR VALUE IS BLACK. RED LINE IS REGION-EXPECTED TARGET



**SOIL HEALTH SCORE**  
YOUR VALUE IS BLACK POINTER.  
BLUE is Minimum and RED is Optimal Target  
Color range based on Solvita Color Scale

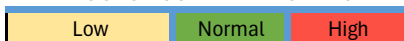
Green Manure/Cover Crop Recommendations

Types of Inter-planting Blends Suggested:

20% Legume 80% Grass/Non-legume

Lime Suggestion 1.7 Lime tons/acre

COLOR SCALE KEY FOR TEST VALUES



## NUTRIENT PANEL

Analysis	Units	RESULT
Climate Zone at this Location	ZONE	5
Nitrogen as readily soluble NO3-N	ppm	10
Est. Seasonal Biological N-Release	lb/a	98
PMN (Avail. + N-Min) Nitrogen Potential	lb/a	116
Likelihood of N-Response based on Org-N	Rating	Moderate

### Extractable Nutrients

Phosphorus , Extractable P	mg kg	9
Phosphorus - Carbonate Ext-P	mg kg	1.5
Potassium - Extractable K	mg kg	38
Calcium - Extractable Ca	mg kg	1001
Magnesium - Extractable Mg	mg kg	163
Sodium - Extractable Na	mg kg	15

### Rating Factors

Nutrient Index, Scale 0 - 100	Rating	69%
Most Limiting Factor		K
Cation Balance (Molar Ratio: K ÷ [Ca + Mg] )	Optimal	1.5%

### Other Factors

pH in water 1:1	Unit	6.289
Optional test (buffer pH)	Unit	6.295
Water Soluble Carbon	mg kg	158
Water Soluble C:N (WSOC:NO3-N)	Unit	16
Aluminum, Extractable	mg kg	291
Iron, Extractable (Optional)	mg kg	41

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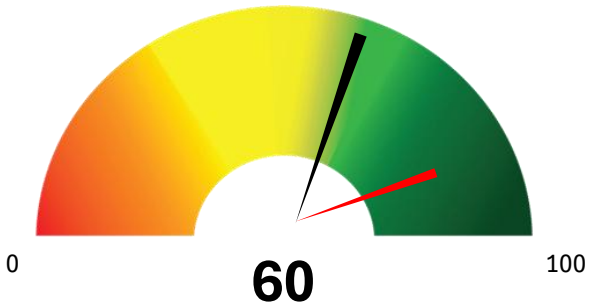
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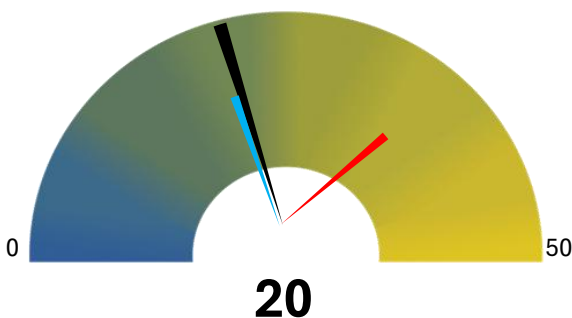
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Your Sample: **Soil Row8 Zone 3**  
Received / Reported: 15/Apr/25 | 19/May/25  
Intended Crop: *Vegetables- Intense*

Soil Health Panel	Units		RANKING:
Microbial Rate	ppm	73.7	Optimal
Solvita Response	( 0 - 6 )	3.95	Medium
Soil Amino-N	ppm	130	Medium
Crumb Aggregates	Vol %	25	Medium
Scoop Bulk Density	g/cc	0.88	Optimal
Total Carbon	%	1.120	Med-Low

Nutrients as: lb/a	Interpretative Guidelines			Est Carbon: lb/a
	N	P2O5	K2O	
Soil Supply:	106	90	154	19,787
Crop Use:	175	30	195	
Difference:	69	0	41	
Suggested Need	94	30	13	Est CEC, meq
Other Notations	Low Status	Normal	Normal	14.6



**OVERALL FERTILITY SCORE**  
YOUR VALUE IS BLACK. RED LINE IS REGION-EXPECTED TARGET



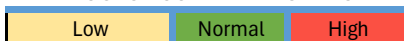
**SOIL HEALTH SCORE**  
YOUR VALUE IS BLACK POINTER.  
BLUE is Minimum and RED is Optimal Target  
Color range based on Solvita Color Scale

Green Manure/Cover Crop Recommendations

Types of Inter-planting Blends Suggested:

30% Legume 70% Grass/Non-Legume

COLOR SCALE KEY FOR TEST VALUES



## NUTRIENT PANEL

Analysis	Units	RESULT
Climate Zone at this Location	ZONE	5
Nitrogen as readily soluble NO3-N	ppm	12
Est. Seasonal Biological N-Release	lb/a	85
PMN (Avail. + N-Min) Nitrogen Potential	lb/a	106
Likelihood of N-Response based on Org-N	Rating	Moderate
Extractable Nutrients		
Phosphorus , Extractable P	mg kg	22
Phosphorus - Carbonate Ext-P	mg kg	1.3
Potassium - Extractable K	mg kg	72
Calcium - Extractable Ca	mg kg	1724
Magnesium - Extractable Mg	mg kg	225
Sodium - Extractable Na	mg kg	53
Rating Factors		
Nutrient Index, Scale 0 - 100	Rating	80%
Most Limiting Factor		N
Cation Balance (Molar Ratio: K ÷ [Ca + Mg] )	Optimal	1.8%
Other Factors		
pH in water 1:1	Unit	6.790
Optional test (buffer pH)	Unit	6.635
Water Soluble Carbon	mg kg	142
Water Soluble C:N (WSOC:NO3-N)	Unit	12
Aluminum, Extractable	mg kg	302
Iron, Extractable (Optional)	mg kg	48

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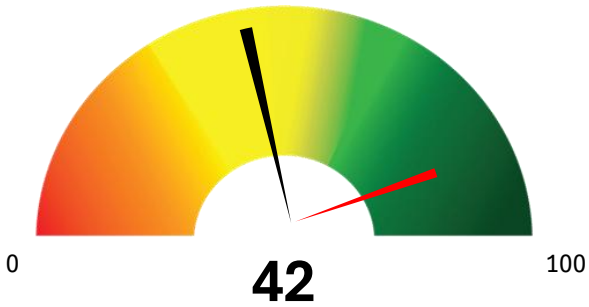
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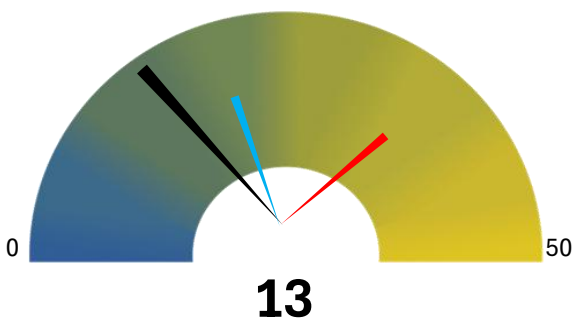
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**Your Sample:** Soil Row8 Zone 4  
**Received / Reported:** 15/Apr/25 | 19/May/25  
**Intended Crop:** Vegetables- Intense

Soil Health Panel	Units		RANKING:
Microbial Rate	ppm	37.3	Med-Low
Solvita Response	( 0 - 6)	3.24	Low
Soil Amino-N	ppm	24	Low
Crumb Aggregates	Vol %	14	Low
Scoop Bulk Density	g/cc	0.93	Optimal
Total Carbon	%	0.738	Low

Nutrients as: lb/a	Interpretative Guidelines			Est Carbon: lb/a
	N	P2O5	K2O	
Soil Supply:	62	36	74	13,746
Crop Use:	175	30	195	
Difference:	113	0	121	
Suggested Need	123	30	39	Est CEC, meq
Other Notations	Low Status	Normal	Normal	*Note



**OVERALL FERTILITY SCORE**  
YOUR VALUE IS BLACK. RED LINE IS REGION-EXPECTED TARGET



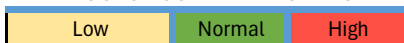
**SOIL HEALTH SCORE**  
YOUR VALUE IS BLACK POINTER.  
BLUE is Minimum and RED is Optimal Target  
Color range based on Solvita Color Scale

Green Manure/Cover Crop Recommendations

Types of Inter-planting Blends Suggested:

50% Legume 50% Grass/Non-Legume

COLOR SCALE KEY FOR TEST VALUES



## NUTRIENT PANEL

Analysis	Units	RESULT
Climate Zone at this Location	ZONE	5
Nitrogen as readily soluble NO3-N	ppm	11
Est. Seasonal Biological N-Release	lb/a	43
PMN (Avail. + N-Min) Nitrogen Potential	lb/a	62
Likelihood of N-Response based on Org-N	Rating	Likely
<b>Extractable Nutrients</b>		
Phosphorus , Extractable P	mg kg	8
Phosphorus - Carbonate Ext-P	mg kg	1.6
Potassium - Extractable K	mg kg	33
Calcium - Extractable Ca	mg kg	1184
Magnesium - Extractable Mg	mg kg	176
Sodium - Extractable Na	mg kg	70
<b>Rating Factors</b>		
Nutrient Index, Scale 0 - 100	Rating	58%
Most Limiting Factor		N
Cation Balance (Molar Ratio: K ÷ [Ca + Mg] )	Optimal	1.2%
<b>Other Factors</b>		
pH in water 1:1	Unit	7.016
Optional test (buffer pH)	Unit	6.550
Water Soluble Carbon	mg kg	130
Water Soluble C:N (WSOC:NO3-N)	Unit	12
Aluminum, Extractable	mg kg	245
Iron, Extractable (Optional)	mg kg	40

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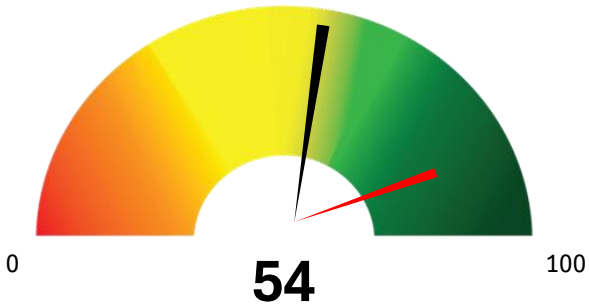
\*Due to high pH and Calcium, CEC is likely erroneously high, and therefore is not reported.

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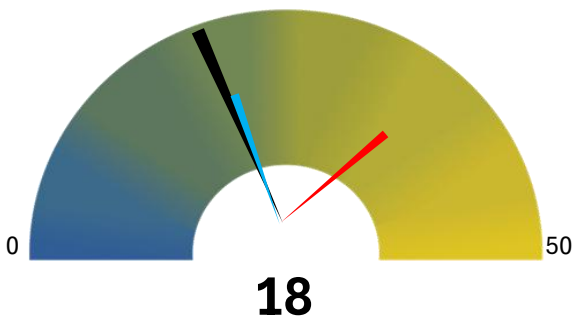
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**Soil Orders:** Inceptisol-Udepts / Alfisol-Aqualfs / \*  
**Your Sample:** Soil Row8 Zone 5  
**Received / Reported:** 15/Apr/25 | 19/May/25  
**Intended Crop:** Vegetables- Intense

Soil Health Panel	Units		RANKING:
Microbial Rate	ppm	70.6	Optimal
Solvita Response	( 0 - 6)	3.91	Medium
Soil Amino-N	ppm	39	Low
Crumb Aggregates	Vol %	11	Low
Scoop Bulk Density	g/cc	0.89	Optimal
Total Carbon	%	1.470	Med-Low

Nutrients as: lb/a	Interpretative Guidelines			Est Carbon: lb/a
	N	P2O5	K2O	
Soil Supply:	106	83	106	26,107
Crop Use:	175	30	195	
Difference:	69	0	89	
Suggested Need	123	30	34	Est CEC, meq
Other Notations	Low Status	Normal	Normal	14.3



**OVERALL FERTILITY SCORE**  
YOUR VALUE IS BLACK. RED LINE IS REGION-EXPECTED TARGET



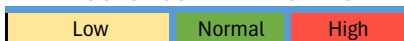
**SOIL HEALTH SCORE**  
YOUR VALUE IS BLACK POINTER.  
BLUE is Minimum and RED is Optimal Target  
Color range based on Solvita Color Scale

Green Manure/Cover Crop Recommendations

Types of Inter-planting Blends Suggested:

30% Legume 70% Grass/Non-Legume

COLOR SCALE KEY FOR TEST VALUES



## NUTRIENT PANEL

Analysis	Units	RESULT
Climate Zone at this Location	ZONE	5
Nitrogen as readily soluble NO3-N	ppm	14
Est. Seasonal Biological N-Release	lb/a	81
PMN (Avail. + N-Min) Nitrogen Potential	lb/a	106
Likelihood of N-Response based on Org-N	Rating	Likely
Extractable Nutrients		
Phosphorus , Extractable P	mg kg	20
Phosphorus - Carbonate Ext-P	mg kg	1.9
Potassium - Extractable K	mg kg	50
Calcium - Extractable Ca	mg kg	1420
Magnesium - Extractable Mg	mg kg	270
Sodium - Extractable Na	mg kg	56
Rating Factors		
Nutrient Index, Scale 0 - 100	Rating	72%
Most Limiting Factor		K
Cation Balance (Molar Ratio: K ÷ [Ca + Mg] )	Optimal	1.4%
Other Factors		
pH in water 1:1	Unit	6.897
Optional test (buffer pH)	Unit	6.546
Water Soluble Carbon	mg kg	185
Water Soluble C:N (WSOC:NO3-N)	Unit	13
Aluminum, Extractable	mg kg	284
Iron, Extractable (Optional)	mg kg	71

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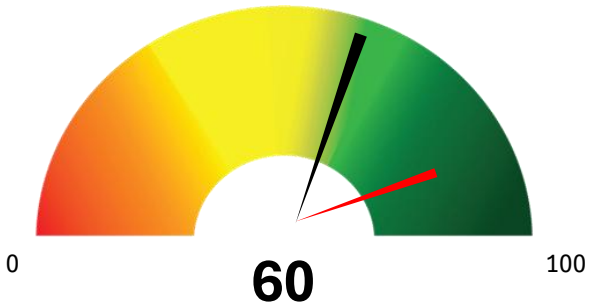
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Arthur's Point Farm  
118 Eagle Rock Rd  
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United States

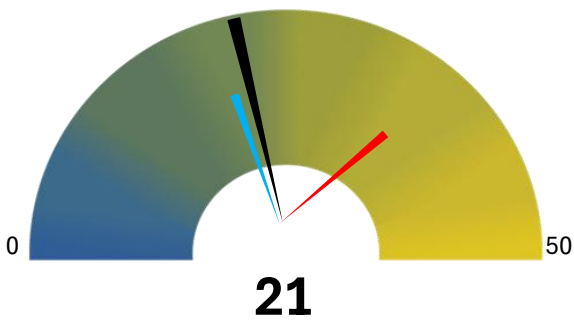
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Soil Orders: Inceptisol-Udepts / Alfisol-Aqualfs / \*  
Your Sample: **Soil Row8 Zone 6**  
Received / Reported: 15/Apr/25 | 19/May/25  
Intended Crop: *Vegetables- Intense*

Soil Health Panel	Units		RANKING:
Microbial Rate	ppm	106.2	High
Solvita Response	( 0 - 6)	4.38	Medium
Soil Amino-N	ppm	45	Low
Crumb Aggregates	Vol %	19	Low
Scoop Bulk Density	g/cc	0.89	Optimal
Total Carbon	%	1.520	Medium

Nutrients as: lb/a	Interpretative Guidelines			Est Carbon: lb/a
	N	P2O5	K2O	
Soil Supply:	140	47	103	27,178
Crop Use:	175	30	195	
Difference:	35	0	92	
Suggested Need	123	30	27	Est CEC, meq
Other Notations	Low Status	Normal	Normal	12.9



**OVERALL FERTILITY SCORE**  
YOUR VALUE IS BLACK. RED LINE IS REGION-EXPECTED TARGET



**SOIL HEALTH SCORE**  
YOUR VALUE IS BLACK POINTER.  
BLUE is Minimum and RED is Optimal Target  
Color range based on Solvita Color Scale

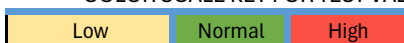
Green Manure/Cover Crop Recommendations

Types of Inter-planting Blends Suggested:

20% Legume 80% Grass/Non-legume

Lime Suggestion 0

COLOR SCALE KEY FOR TEST VALUES



## NUTRIENT PANEL

Analysis	Units	RESULT
Climate Zone at this Location	ZONE	5
Nitrogen as readily soluble NO3-N	ppm	10
Est. Seasonal Biological N-Release	lb/a	122
PMN (Avail. + N-Min) Nitrogen Potential	lb/a	140
Likelihood of N-Response based on Org-N	Rating	Likely
Extractable Nutrients		
Phosphorus , Extractable P	mg kg	11
Phosphorus - Carbonate Ext-P	mg kg	1.3
Potassium - Extractable K	mg kg	48
Calcium - Extractable Ca	mg kg	1345
Magnesium - Extractable Mg	mg kg	211
Sodium - Extractable Na	mg kg	56
Rating Factors		
Nutrient Index, Scale 0 - 100	Rating	78%
Most Limiting Factor		K
Cation Balance (Molar Ratio: K ÷ [Ca + Mg] )	Optimal	1.5%
Other Factors		
pH in water 1:1	Unit	6.542
Optional test (buffer pH)	Unit	6.594
Water Soluble Carbon	mg kg	179
Water Soluble C:N (WSOC:NO3-N)	Unit	18
Aluminum, Extractable	mg kg	275
Iron, Extractable (Optional)	mg kg	87

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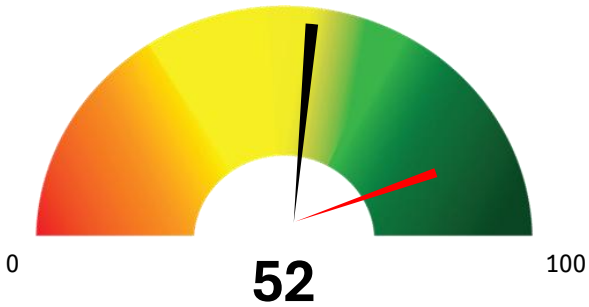
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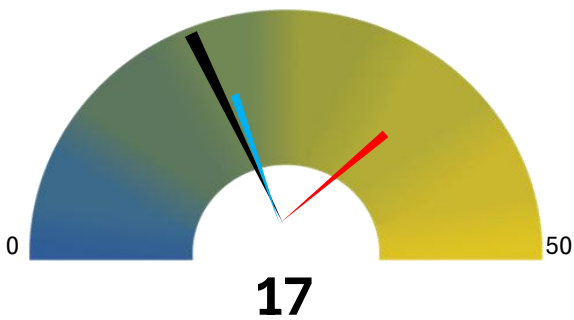
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**Your Sample:** Soil Row8 Zone 7  
**Received / Reported:** 15/Apr/25 | 19/May/25  
**Intended Crop:** Vegetables- Intense

Soil Health Panel	Units		RANKING:
Microbial Rate	ppm	74.9	Optimal
Solvita Response	( 0 - 6)	3.91	Medium
Soil Amino-N	ppm	54	Medium
Crumb Aggregates	Vol %	8	Low
Scoop Bulk Density	g/cc	0.84	Optimal
Total Carbon	%	1.440	Med-Low

Nutrients as: lb/a	Interpretative Guidelines			Est Carbon: lb/a
	N	P2O5	K2O	
Soil Supply:	104	51	94	24,115
Crop Use:	175	30	195	
Difference:	71	0	101	
Suggested Need	123	30	34	Est CEC, meq
Other Notations	Low Status	Normal	Normal	13.8



**OVERALL FERTILITY SCORE**  
YOUR VALUE IS BLACK. RED LINE IS REGION-EXPECTED TARGET



**SOIL HEALTH SCORE**  
YOUR VALUE IS BLACK POINTER.  
BLUE is Minimum and RED is Optimal Target  
Color range based on Solvita Color Scale

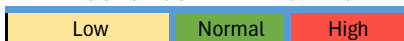
Green Manure/Cover Crop Recommendations

Types of Inter-planting Blends Suggested:

40% Legume 60% Grass/Non-Legume

Lime Suggestion 0 Lime tons/acre

COLOR SCALE KEY FOR TEST VALUES



## NUTRIENT PANEL

Analysis	Units	RESULT
Climate Zone at this Location	ZONE	5
Nitrogen as readily soluble NO3-N	ppm	10
Est. Seasonal Biological N-Release	lb/a	86
PMN (Avail. + N-Min) Nitrogen Potential	lb/a	104
Likelihood of N-Response based on Org-N	Rating	Likely
<b>Extractable Nutrients</b>		
Phosphorus , Extractable P	mg kg	13
Phosphorus - Carbonate Ext-P	mg kg	1.5
Potassium - Extractable K	mg kg	47
Calcium - Extractable Ca	mg kg	1280
Magnesium - Extractable Mg	mg kg	233
Sodium - Extractable Na	mg kg	85
<b>Rating Factors</b>		
Nutrient Index, Scale 0 - 100	Rating	69%
Most Limiting Factor		K
Cation Balance (Molar Ratio: K ÷ [Ca + Mg] )	Optimal	1.4%
<b>Other Factors</b>		
pH in water 1:1	Unit	6.445
Optional test (buffer pH)	Unit	6.505
Water Soluble Carbon	mg kg	154
Water Soluble C:N (WSOC:NO3-N)	Unit	15
Aluminum, Extractable	mg kg	278
Iron, Extractable (Optional)	mg kg	91

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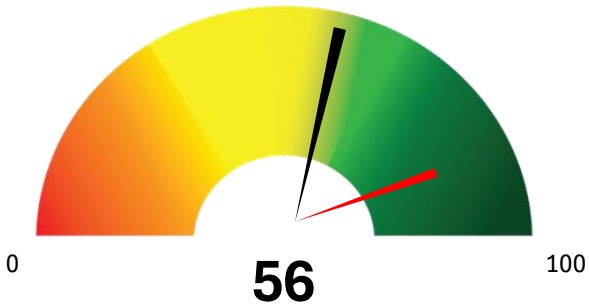
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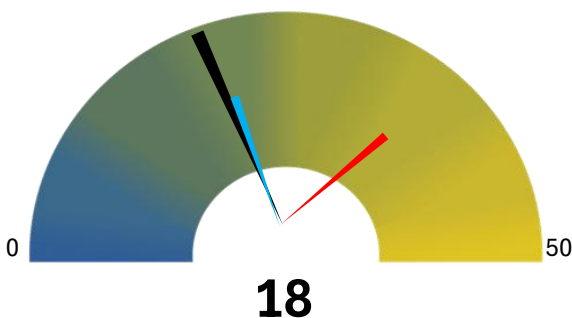
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Rainfall / Zone: 40 / APPALACHIAN HIGHLANDS  
Soil Orders: Inceptisol-Udepts / Alfisol-Aqualfs / \*  
Your Sample: **Soil Row8 Zone 8**  
Received / Reported: 15/Apr/25 | 19/May/25  
Intended Crop: *Vegetables- Intense*

Soil Health Panel	Units		RANKING:
Microbial Rate	ppm	82.0	Optimal
Solvita Response	( 0 - 6 )	4.07	Medium
Soil Amino-N	ppm	26	Low
Crumb Aggregates	Vol %	21	Low
Scoop Bulk Density	g/cc	0.88	Optimal
Total Carbon	%	1.190	Med-Low

Nutrients as: lb/a	Interpretative Guidelines			Est Carbon: lb/a
	N	P2O5	K2O	
Soil Supply:	<b>112</b>	<b>64</b>	<b>130</b>	<b>20,944</b>
Crop Use:	175	30	195	
Difference:	<b>63</b>	<b>0</b>	<b>65</b>	
Suggested Need	<b>123</b>	<b>30</b>	<b>5</b>	Est CEC, meq
Other Notations	<b>Low Status</b>	<b>Normal</b>	<b>Normal</b>	<b>11.3</b>



**OVERALL FERTILITY SCORE**  
YOUR VALUE IS BLACK. RED LINE IS REGION-EXPECTED TARGET



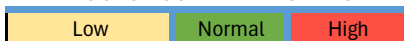
**SOIL HEALTH SCORE**  
YOUR VALUE IS BLACK POINTER.  
BLUE is Minimum and RED is Optimal Target  
Color range based on Solvita Color Scale

Green Manure/Cover Crop Recommendations

Types of Inter-planting Blends Suggested:

*30% Legume 70% Grass/Non-Legume*

COLOR SCALE KEY FOR TEST VALUES



## NUTRIENT PANEL

Analysis	Units	RESULT
Climate Zone at this Location	ZONE	5
Nitrogen as readily soluble NO3-N	ppm	10
Est. Seasonal Biological N-Release	lb/a	94
PMN (Avail. + N-Min) Nitrogen Potential	lb/a	112
Likelihood of N-Response based on Org-N	Rating	Likely
<b>Extractable Nutrients</b>		
Phosphorus , Extractable P	mg kg	16
Phosphorus - Carbonate Ext-P	mg kg	2.1
Potassium - Extractable K	mg kg	61
Calcium - Extractable Ca	mg kg	1275
Magnesium - Extractable Mg	mg kg	222
Sodium - Extractable Na	mg kg	67
<b>Rating Factors</b>		
Nutrient Index, Scale 0 - 100	Rating	77%
Most Limiting Factor		<b>N</b>
Cation Balance (Molar Ratio: K ÷ [Ca + Mg] )	Optimal	<b>1.9%</b>
<b>Other Factors</b>		
pH in water 1:1	Unit	6.862
Optional test (buffer pH)	Unit	6.739
Water Soluble Carbon	mg kg	148
Water Soluble C:N (WSOC:NO3-N)	Unit	15
Aluminum, Extractable	mg kg	266
Iron, Extractable (Optional)	mg kg	77

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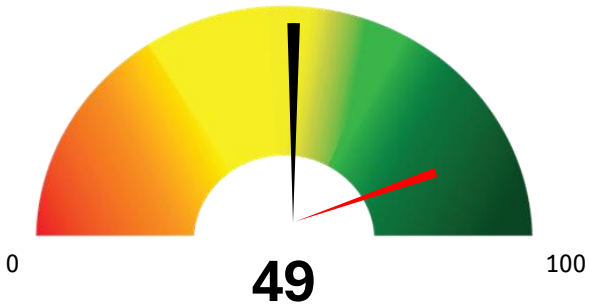
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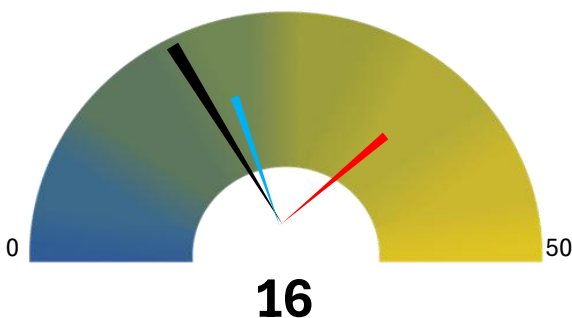
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**Your Sample:** Soil Row8 Zone 9  
**Received / Reported:** 15/Apr/25 | 19/May/25  
**Intended Crop:** Vegetables- Intense

Soil Health Panel	Units		RANKING:
Microbial Rate	ppm	66.3	Optimal
Solvita Response	( 0 - 6 )	3.87	Medium
Soil Amino-N	ppm	<13.7	Low
Crumb Aggregates	Vol %	14	Low
Scoop Bulk Density	g/cc	0.91	Optimal
Total Carbon	%	1.140	Med-Low

Nutrients as: lb/a	Interpretative Guidelines			Est Carbon: lb/a
	N	P2O5	K2O	
Soil Supply:	92	66	94	20,748
Crop Use:	175	30	195	
Difference:	83	0	101	
Suggested Need	123	30	24	Est CEC, meq
Other Notations	Low Status	Normal	Normal	11.4



**OVERALL FERTILITY SCORE**  
YOUR VALUE IS BLACK. RED LINE IS REGION-EXPECTED TARGET



**SOIL HEALTH SCORE**  
YOUR VALUE IS BLACK POINTER.  
BLUE is Minimum and RED is Optimal Target  
Color range based on Solvita Color Scale

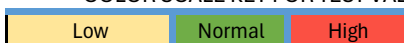
Green Manure/Cover Crop Recommendations

Types of Inter-planting Blends Suggested:

40% Legume 60% Grass/Non-Legume

Lime Suggestion 0

COLOR SCALE KEY FOR TEST VALUES



## NUTRIENT PANEL

Analysis	Units	RESULT
Climate Zone at this Location	ZONE	5
Nitrogen as readily soluble NO3-N	ppm	9
Est. Seasonal Biological N-Release	lb/a	76
PMN (Avail. + N-Min) Nitrogen Potential	lb/a	92
Likelihood of N-Response based on Org-N	Rating	Likely
<b>Extractable Nutrients</b>		
Phosphorus , Extractable P	mg kg	16
Phosphorus - Carbonate Ext-P	mg kg	1.6
Potassium - Extractable K	mg kg	43
Calcium - Extractable Ca	mg kg	1066
Magnesium - Extractable Mg	mg kg	181
Sodium - Extractable Na	mg kg	42
<b>Rating Factors</b>		
Nutrient Index, Scale 0 - 100	Rating	67%
Most Limiting Factor		K
Cation Balance (Molar Ratio: K ÷ [Ca + Mg] )	Optimal	1.6%
<b>Other Factors</b>		
pH in water 1:1	Unit	6.508
Optional test (buffer pH)	Unit	6.570
Water Soluble Carbon	mg kg	143
Water Soluble C:N (WSOC:NO3-N)	Unit	17
Aluminum, Extractable	mg kg	235
Iron, Extractable (Optional)	mg kg	54

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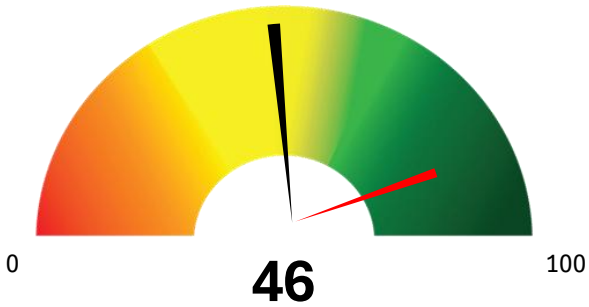
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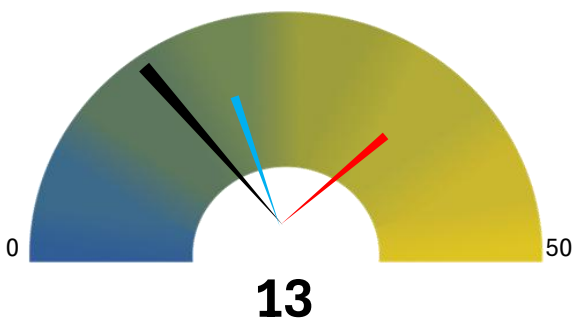
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Your Sample: Soil Row8 Zone 10  
Received / Reported: 15/Apr/25 | 19/May/25  
Intended Crop: Vegetables- Intense

Soil Health Panel	Units		RANKING:
Microbial Rate	ppm	57.7	Med-Low
Solvita Response	( 0 - 6)	3.75	Medium
Soil Amino-N	ppm	<13.2	Low
Crumb Aggregates	Vol %	11	Low
Scoop Bulk Density	g/cc	0.94	Optimal
Total Carbon	%	0.689	Low

Nutrients as: lb/a	Interpretative Guidelines			Est Carbon: lb/a
	N	P205	K2O	
Soil Supply:	81	179	101	13,018
Crop Use:	175	30	195	
Difference:	94	0	94	
Suggested Need	123	23	27	Est CEC, meq
Other Notations	Low Status	Normal	Normal	12.2



**OVERALL FERTILITY SCORE**  
YOUR VALUE IS BLACK. RED LINE IS REGION-EXPECTED TARGET



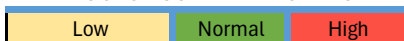
**SOIL HEALTH SCORE**  
YOUR VALUE IS BLACK POINTER.  
BLUE is Minimum and RED is Optimal Target  
Color range based on Solvita Color Scale

Green Manure/Cover Crop Recommendations

Types of Inter-planting Blends Suggested:

50% Legume 50% Grass/Non-Legume

COLOR SCALE KEY FOR TEST VALUES



## NUTRIENT PANEL

Analysis	Units	RESULT
Climate Zone at this Location	ZONE	5
Nitrogen as readily soluble NO3-N	ppm	8
Est. Seasonal Biological N-Release	lb/a	66
PMN (Avail. + N-Min) Nitrogen Potential	lb/a	81
Likelihood of N-Response based on Org-N	Rating	Likely
<b>Extractable Nutrients</b>		
Phosphorus , Extractable P	mg kg	41
Phosphorus - Carbonate Ext-P	mg kg	2.6
Potassium - Extractable K	mg kg	44
Calcium - Extractable Ca	mg kg	1208
Magnesium - Extractable Mg	mg kg	218
Sodium - Extractable Na	mg kg	46
<b>Rating Factors</b>		
Nutrient Index, Scale 0 - 100	Rating	66%
Most Limiting Factor		N
Cation Balance (Molar Ratio: K ÷ [Ca + Mg] )	Optimal	1.5%
<b>Other Factors</b>		
pH in water 1:1	Unit	6.601
Optional test (buffer pH)	Unit	6.601
Water Soluble Carbon	mg kg	104
Water Soluble C:N (WSOC:NO3-N)	Unit	13
Aluminum, Extractable	mg kg	250
Iron, Extractable (Optional)	mg kg	62

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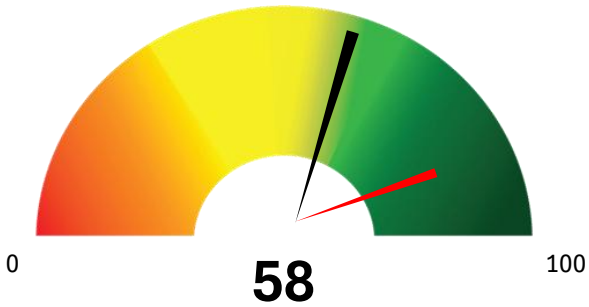
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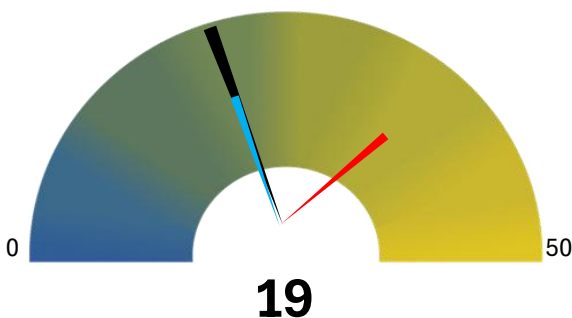
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**Your Sample:** Soil Row8 Zone 11  
**Received / Reported:** 15/Apr/25 | 19/May/25  
**Intended Crop:** Vegetables- Intense

Soil Health Panel	Units		RANKING:
Microbial Rate	ppm	88.9	Optimal
Solvita Response	( 0 - 6)	4.15	Medium
Soil Amino-N	ppm	69	Medium
Crumb Aggregates	Vol %	17	Low
Scoop Bulk Density	g/cc	0.87	Optimal
Total Carbon	%	1.490	Med-Low

Nutrients as: lb/a	Interpretative Guidelines			Est Carbon: lb/a
	N	P2O5	K2O	
Soil Supply:	123	61	130	25,817
Crop Use:	175	30	195	
Difference:	52	0	65	
Suggested Need	123	30	18	Est CEC, meq
Other Notations	Low Status	Normal	Normal	13.7



**OVERALL FERTILITY SCORE**  
YOUR VALUE IS BLACK. RED LINE IS REGION-EXPECTED TARGET



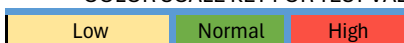
**SOIL HEALTH SCORE**  
YOUR VALUE IS BLACK POINTER.  
BLUE is Minimum and RED is Optimal Target  
Color range based on Solvita Color Scale

Green Manure/Cover Crop Recommendations

Types of Inter-planting Blends Suggested:

30% Legume 70% Grass/Non-Legume

**Lime Suggestion** 0 Lime tons/acre  
COLOR SCALE KEY FOR TEST VALUES



## NUTRIENT PANEL

Analysis	Units	RESULT
Climate Zone at this Location	ZONE	5
Nitrogen as readily soluble NO3-N	ppm	12
Est. Seasonal Biological N-Release	lb/a	102
PMN (Avail. + N-Min) Nitrogen Potential	lb/a	123
Likelihood of N-Response based on Org-N	Rating	Likely
<b>Extractable Nutrients</b>		
Phosphorus , Extractable P	mg kg	15
Phosphorus - Carbonate Ext-P	mg kg	1.3
Potassium - Extractable K	mg kg	62
Calcium - Extractable Ca	mg kg	1294
Magnesium - Extractable Mg	mg kg	225
Sodium - Extractable Na	mg kg	75
<b>Rating Factors</b>		
Nutrient Index, Scale 0 - 100	Rating	79%
Most Limiting Factor		K
Cation Balance (Molar Ratio: K ÷ [Ca + Mg] )	Optimal	1.9%
<b>Other Factors</b>		
pH in water 1:1	Unit	6.424
Optional test (buffer pH)	Unit	6.511
Water Soluble Carbon	mg kg	122
Water Soluble C:N (WSOC:NO3-N)	Unit	11
Aluminum, Extractable	mg kg	270
Iron, Extractable (Optional)	mg kg	80

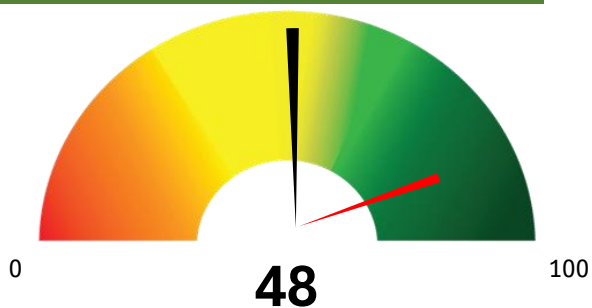
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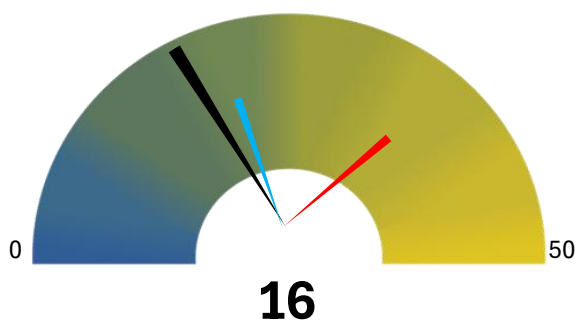
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Soil Orders: Inceptisol-Udepts / Alfisol-Aqualfs / \*  
Your Sample: Soil Row8 Zone 12  
Received / Reported: 15/Apr/25 | 19/May/25  
Intended Crop: Vegetables- Intense

Soil Health Panel	Units		RANKING:
Microbial Rate	ppm	61.2	Optimal
Solvita Response	( 0 - 6 )	3.75	Medium
Soil Amino-N	ppm	45	Low
Crumb Aggregates	Vol %	13	Low
Scoop Bulk Density	g/cc	0.89	Optimal
Total Carbon	%	1.210	Med-Low

Nutrients as: lb/a	Interpretative Guidelines			Est Carbon: lb/a
	N	P2O5	K2O	
Soil Supply:	99	34	79	21,554
Crop Use:	175	30	195	
Difference:	76	0	116	
Suggested Need	123	30	34	Est CEC, meq
Other Notations	OK	Normal	Normal	12.1



**OVERALL FERTILITY SCORE**  
YOUR VALUE IS BLACK. RED LINE IS REGION-EXPECTED TARGET



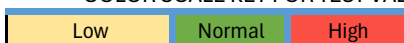
**SOIL HEALTH SCORE**  
YOUR VALUE IS BLACK POINTER.  
BLUE is Minimum and RED is Optimal Target  
Color range based on Solvita Color Scale

Green Manure/Cover Crop Recommendations

Types of Inter-planting Blends Suggested:

40% Legume 60% Grass/Non-Legume

COLOR SCALE KEY FOR TEST VALUES



## NUTRIENT PANEL

Analysis	Units	RESULT
Climate Zone at this Location	ZONE	5
Nitrogen as readily soluble NO3-N	ppm	16
Est. Seasonal Biological N-Release	lb/a	70
PMN (Avail. + N-Min) Nitrogen Potential	lb/a	99
Likelihood of N-Response based on Org-N	Rating	Likely
Extractable Nutrients		
Phosphorus , Extractable P	mg kg	8
Phosphorus - Carbonate Ext-P	mg kg	1.5
Potassium - Extractable K	mg kg	37
Calcium - Extractable Ca	mg kg	1204
Magnesium - Extractable Mg	mg kg	263
Sodium - Extractable Na	mg kg	36
Rating Factors		
Nutrient Index, Scale 0 - 100	Rating	66%
Most Limiting Factor		K
Cation Balance (Molar Ratio: K ÷ [Ca + Mg] )	Optimal	1.2%
Other Factors		
pH in water 1:1	Unit	6.909
Optional test (buffer pH)	Unit	6.632
Water Soluble Carbon	mg kg	117
Water Soluble C:N (WSOC:NO3-N)	Unit	7
Aluminum, Extractable	mg kg	278
Iron, Extractable (Optional)	mg kg	42

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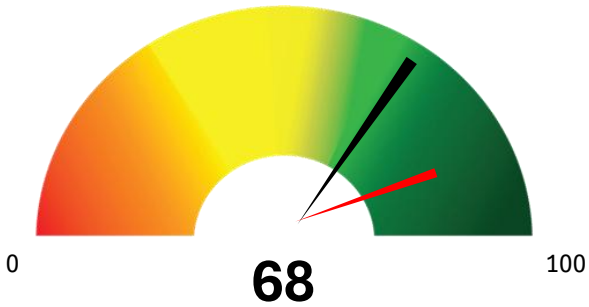
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United States

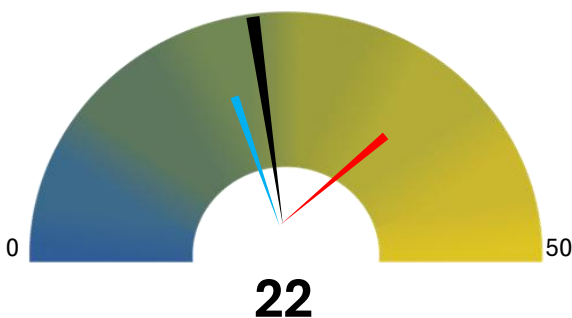
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**Your Sample:** Soil Row8 Zone 13  
**Received / Reported:** 15/Apr/25 | 19/May/25  
**Intended Crop:** Vegetables- Intense

Soil Health Panel	Units		RANKING:
Microbial Rate	ppm	94.5	Optimal
Solvita Response	( 0 - 6)	4.26	Medium
Soil Amino-N	ppm	149	Medium
Crumb Aggregates	Vol %	22	Low
Scoop Bulk Density	g/cc	0.90	Optimal
Total Carbon	%	1.770	Medium

Nutrients as: lb/a	Interpretative Guidelines			Est Carbon: lb/a
	N	P2O5	K2O	
Soil Supply:	142	99	187	32,025
Crop Use:	175	30	195	
Difference:	33	0	8	
Suggested Need	58	23	8	Est CEC, meq
Other Notations	OK	Normal	Normal	13.4



**OVERALL FERTILITY SCORE**  
YOUR VALUE IS BLACK. RED LINE IS REGION-EXPECTED TARGET



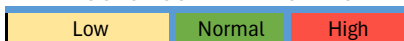
**SOIL HEALTH SCORE**  
YOUR VALUE IS BLACK POINTER.  
BLUE is Minimum and RED is Optimal Target  
Color range based on Solvita Color Scale

Green Manure/Cover Crop Recommendations

Types of Inter-planting Blends Suggested:

20% Legume 80% Grass/Non-legume

COLOR SCALE KEY FOR TEST VALUES



## NUTRIENT PANEL

Analysis	Units	RESULT
Climate Zone at this Location	ZONE	5
Nitrogen as readily soluble NO3-N	ppm	18
Est. Seasonal Biological N-Release	lb/a	109
PMN (Avail. + N-Min) Nitrogen Potential	lb/a	142
Likelihood of N-Response based on Org-N	Rating	Moderate
Extractable Nutrients		
Phosphorus , Extractable P	mg kg	24
Phosphorus - Carbonate Ext-P	mg kg	4.3
Potassium - Extractable K	mg kg	86
Calcium - Extractable Ca	mg kg	1511
Magnesium - Extractable Mg	mg kg	221
Sodium - Extractable Na	mg kg	21
Rating Factors		
Nutrient Index, Scale 0 - 100	Rating	92%
Most Limiting Factor		N
Cation Balance (Molar Ratio: K ÷ [Ca + Mg] )	Optimal	2.4%
Other Factors		
pH in water 1:1	Unit	6.862
Optional test (buffer pH)	Unit	6.631
Water Soluble Carbon	mg kg	129
Water Soluble C:N (WSOC:NO3-N)	Unit	7
Aluminum, Extractable	mg kg	314
Iron, Extractable (Optional)	mg kg	36

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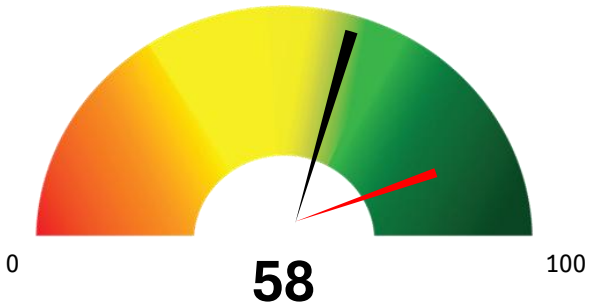
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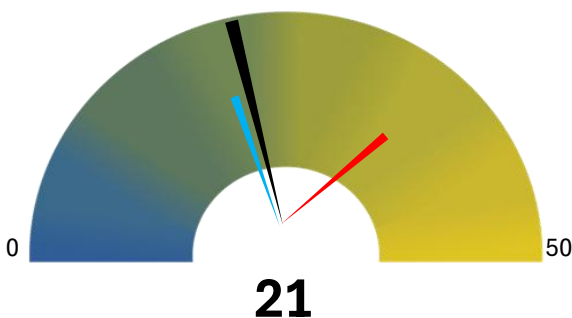
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Soil Orders: Inceptisol-Udepts / Alfisol-Aqualfs / \*  
Your Sample: Soil Row8 Zone 14  
Received / Reported: 15/Apr/25 | 19/May/25  
Intended Crop: Vegetables- Intense

Soil Health Panel	Units		RANKING:
Microbial Rate	ppm	104.0	High
Solvita Response	( 0 - 6)	4.34	Medium
Soil Amino-N	ppm	71	Medium
Crumb Aggregates	Vol %	24	Low
Scoop Bulk Density	g/cc	0.88	Optimal
Total Carbon	%	1.540	Medium

Nutrients as: lb/a	Interpretative Guidelines			Est Carbon: lb/a
	N	P205	K2O	
Soil Supply:	139	79	89	27,176
Crop Use:	175	30	195	
Difference:	36	0	106	
Suggested Need	123	30	40	Est CEC, meq
Other Notations	Low Status	Normal	Normal	14.0



**OVERALL FERTILITY SCORE**  
YOUR VALUE IS BLACK. RED LINE IS REGION-EXPECTED TARGET



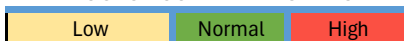
**SOIL HEALTH SCORE**  
YOUR VALUE IS BLACK POINTER.  
BLUE is Minimum and RED is Optimal Target  
Color range based on Solvita Color Scale

Green Manure/Cover Crop Recommendations

Types of Inter-planting Blends Suggested:

20% Legume 80% Grass/Non-legume

COLOR SCALE KEY FOR TEST VALUES



## NUTRIENT PANEL

Analysis	Units	RESULT
Climate Zone at this Location	ZONE	5
Nitrogen as readily soluble NO3-N	ppm	11
Est. Seasonal Biological N-Release	lb/a	120
PMN (Avail. + N-Min) Nitrogen Potential	lb/a	139
Likelihood of N-Response based on Org-N	Rating	Likely
<b>Extractable Nutrients</b>		
Phosphorus , Extractable P	mg kg	19
Phosphorus - Carbonate Ext-P	mg kg	2.2
Potassium - Extractable K	mg kg	42
Calcium - Extractable Ca	mg kg	1382
Magnesium - Extractable Mg	mg kg	243
Sodium - Extractable Na	mg kg	71
<b>Rating Factors</b>		
Nutrient Index, Scale 0 - 100	Rating	75%
Most Limiting Factor		K
Cation Balance (Molar Ratio: K ÷ [Ca + Mg] )	Optimal	1.2%
<b>Other Factors</b>		
pH in water 1:1	Unit	6.707
Optional test (buffer pH)	Unit	6.537
Water Soluble Carbon	mg kg	124
Water Soluble C:N (WSOC:NO3-N)	Unit	11
Aluminum, Extractable	mg kg	356
Iron, Extractable (Optional)	mg kg	39

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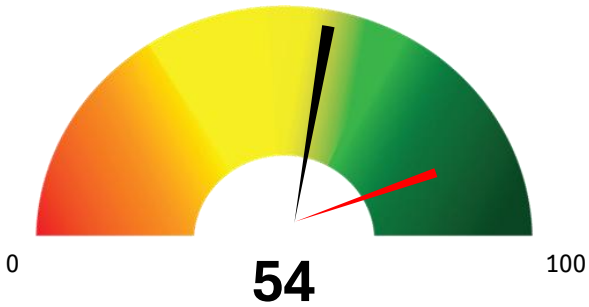
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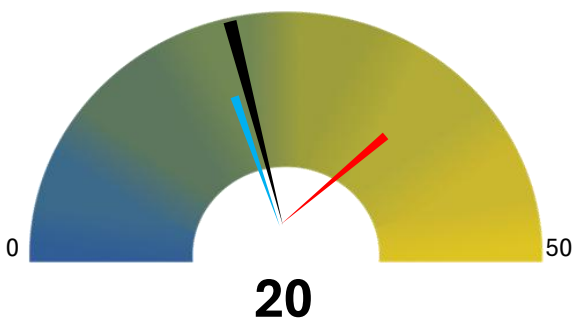
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Soil Orders: Inceptisol-Udepts / Alfisol-Aqualfs / \*  
Your Sample: Soil Row8 Zone 15  
Received / Reported: 15/Apr/25 | 19/May/25  
Intended Crop: Vegetables- Intense

Soil Health Panel	Units		RANKING:
Microbial Rate	ppm	84.4	Optimal
Solvita Response	( 0 - 6)	4.15	Medium
Soil Amino-N	ppm	99	Medium
Crumb Aggregates	Vol %	25	Medium
Scoop Bulk Density	g/cc	0.91	Optimal
Total Carbon	%	1.600	Medium

Nutrients as: lb/a	Interpretative Guidelines			Est Carbon: lb/a
	N	P2O5	K2O	
Soil Supply:	120	69	70	29,195
Crop Use:	175	30	195	
Difference:	55	0	125	
Suggested Need	80	30	35	Est CEC, meq
Other Notations	Low Status	Normal	Normal	11.5



**OVERALL FERTILITY SCORE**  
YOUR VALUE IS BLACK. RED LINE IS REGION-EXPECTED TARGET



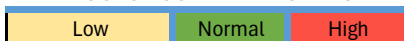
**SOIL HEALTH SCORE**  
YOUR VALUE IS BLACK POINTER.  
BLUE is Minimum and RED is Optimal Target  
Color range based on Solvita Color Scale

Green Manure/Cover Crop Recommendations

Types of Inter-planting Blends Suggested:

20% Legume 80% Grass/Non-legume

COLOR SCALE KEY FOR TEST VALUES



## NUTRIENT PANEL

Analysis	Units	RESULT
Climate Zone at this Location	ZONE	5
Nitrogen as readily soluble NO3-N	ppm	12
Est. Seasonal Biological N-Release	lb/a	97
PMN (Avail. + N-Min) Nitrogen Potential	lb/a	120
Likelihood of N-Response based on Org-N	Rating	Moderate
Extractable Nutrients		
Phosphorus , Extractable P	mg kg	16
Phosphorus - Carbonate Ext-P	mg kg	1.3
Potassium - Extractable K	mg kg	32
Calcium - Extractable Ca	mg kg	1119
Magnesium - Extractable Mg	mg kg	175
Sodium - Extractable Na	mg kg	64
Rating Factors		
Nutrient Index, Scale 0 - 100	Rating	68%
Most Limiting Factor		K
Cation Balance (Molar Ratio: K ÷ [Ca + Mg] )	Optimal	1.2%
Other Factors		
pH in water 1:1	Unit	6.689
Optional test (buffer pH)	Unit	6.596
Water Soluble Carbon	mg kg	124
Water Soluble C:N (WSOC:NO3-N)	Unit	10
Aluminum, Extractable	mg kg	310
Iron, Extractable (Optional)	mg kg	41

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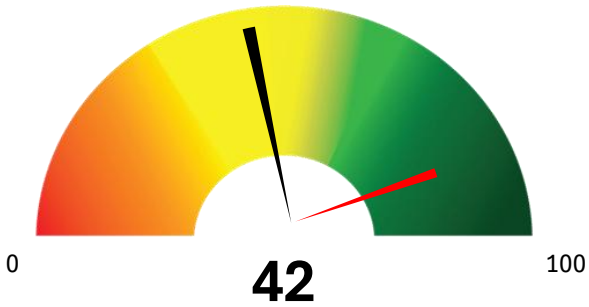
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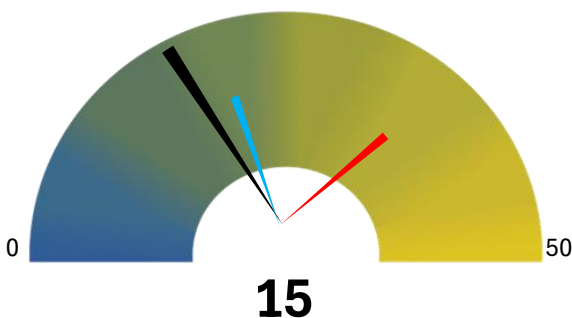
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**Soil Orders:** Inceptisol-Udepts / Alfisol-Aqualfs / \*  
**Your Sample:** Soil Row8 Zone 16  
**Received / Reported:** 15/Apr/25 | 19/May/25  
**Intended Crop:** Vegetables- Intense

Soil Health Panel	Units		RANKING:
Microbial Rate	ppm	42.6	Med-Low
Solvita Response	( 0 - 6 )	3.36	Medium
Soil Amino-N	ppm	33	Low
Crumb Aggregates	Vol %	19	Low
Scoop Bulk Density	g/cc	0.91	Optimal
Total Carbon	%	1.160	Med-Low

Nutrients as: lb/a	Interpretative Guidelines			Est Carbon: lb/a
	N	P2O5	K2O	
Soil Supply:	59	28	67	21,112
Crop Use:	175	30	195	
Difference:	116	2	128	
Suggested Need	123	30	29	Est CEC, meq
Other Notations	Low Status	Ex Low	Normal	10.3



**OVERALL FERTILITY SCORE**  
YOUR VALUE IS BLACK. RED LINE IS REGION-EXPECTED TARGET



**SOIL HEALTH SCORE**  
YOUR VALUE IS BLACK POINTER.  
BLUE is Minimum and RED is Optimal Target  
Color range based on Solvita Color Scale

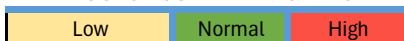
Green Manure/Cover Crop Recommendations

Types of Inter-planting Blends Suggested:

40% Legume 60% Grass/Non-Legume

**Lime Suggestion** 1.3 Lime tons/acre

COLOR SCALE KEY FOR TEST VALUES



## NUTRIENT PANEL

Analysis	Units	RESULT
Climate Zone at this Location	ZONE	5
Nitrogen as readily soluble NO3-N	ppm	5
Est. Seasonal Biological N-Release	lb/a	49
PMN (Avail. + N-Min) Nitrogen Potential	lb/a	59
Likelihood of N-Response based on Org-N	Rating	Likely
<b>Extractable Nutrients</b>		
Phosphorus , Extractable P	mg kg	7
Phosphorus - Carbonate Ext-P	mg kg	2.3
Potassium - Extractable K	mg kg	31
Calcium - Extractable Ca	mg kg	755
Magnesium - Extractable Mg	mg kg	135
Sodium - Extractable Na	mg kg	20
<b>Rating Factors</b>		
Nutrient Index, Scale 0 - 100	Rating	54%
Most Limiting Factor		<b>N</b>
Cation Balance (Molar Ratio: K ÷ [Ca + Mg] )	Optimal	<b>1.6%</b>
<b>Other Factors</b>		
pH in water 1:1	Unit	6.133
Optional test (buffer pH)	Unit	6.477
Water Soluble Carbon	mg kg	148
Water Soluble C:N (WSOC:NO3-N)	Unit	27
Aluminum, Extractable	mg kg	267
Iron, Extractable (Optional)	mg kg	47

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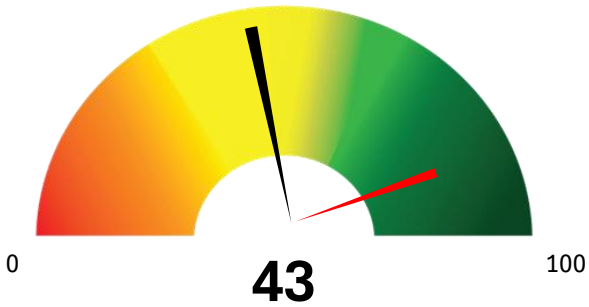
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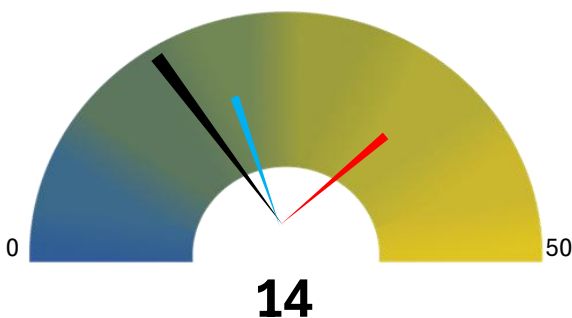
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**Your Sample:** Soil Row8 Zone 17  
**Received / Reported:** 15/Apr/25 | 19/May/25  
**Intended Crop:** Vegetables- Intense

Soil Health Panel	Units		RANKING:
Microbial Rate	ppm	55.0	Med-Low
Solvita Response	( 0 - 6 )	3.71	Medium
Soil Amino-N	ppm	21	Low
Crumb Aggregates	Vol %	17	Low
Scoop Bulk Density	g/cc	0.96	Optimal
Total Carbon	%	0.839	Low

Nutrients as: lb/a	Interpretative Guidelines			Est Carbon: lb/a
	N	P2O5	K2O	
Soil Supply:	72	38	55	16,075
Crop Use:	175	30	195	
Difference:	103	0	140	
Suggested Need	123	30	34	Est CEC, meq
Other Notations	Low Status	Normal	Normal	10.0



**OVERALL FERTILITY SCORE**  
YOUR VALUE IS BLACK. RED LINE IS REGION-EXPECTED TARGET



**SOIL HEALTH SCORE**  
YOUR VALUE IS BLACK POINTER.  
BLUE is Minimum and RED is Optimal Target  
Color range based on Solvita Color Scale

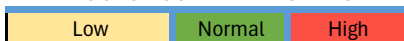
Green Manure/Cover Crop Recommendations

Types of Inter-planting Blends Suggested:

50% Legume 50% Grass/Non-Legume

Lime Suggestion 1.3 Lime tons/acre

COLOR SCALE KEY FOR TEST VALUES



## NUTRIENT PANEL

Analysis	Units	RESULT
Climate Zone at this Location	ZONE	5
Nitrogen as readily soluble NO3-N	ppm	5
Est. Seasonal Biological N-Release	lb/a	63
PMN (Avail. + N-Min) Nitrogen Potential	lb/a	72
Likelihood of N-Response based on Org-N	Rating	Likely
<b>Extractable Nutrients</b>		
Phosphorus , Extractable P	mg kg	9
Phosphorus - Carbonate Ext-P	mg kg	0.8
Potassium - Extractable K	mg kg	24
Calcium - Extractable Ca	mg kg	703
Magnesium - Extractable Mg	mg kg	116
Sodium - Extractable Na	mg kg	30
<b>Rating Factors</b>		
Nutrient Index, Scale 0 - 100	Rating	57%
Most Limiting Factor		K
Cation Balance (Molar Ratio: K ÷ [Ca + Mg] )	Optimal	1.4%
<b>Other Factors</b>		
pH in water 1:1	Unit	6.211
Optional test (buffer pH)	Unit	6.472
Water Soluble Carbon	mg kg	112
Water Soluble C:N (WSOC:NO3-N)	Unit	22
Aluminum, Extractable	mg kg	223
Iron, Extractable (Optional)	mg kg	44

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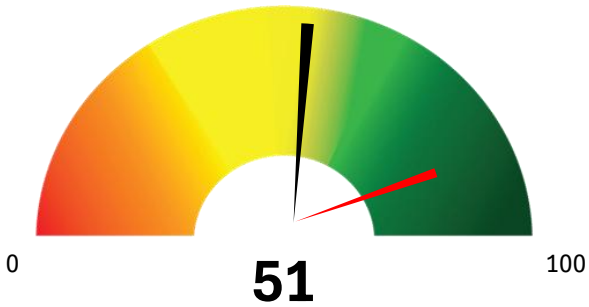
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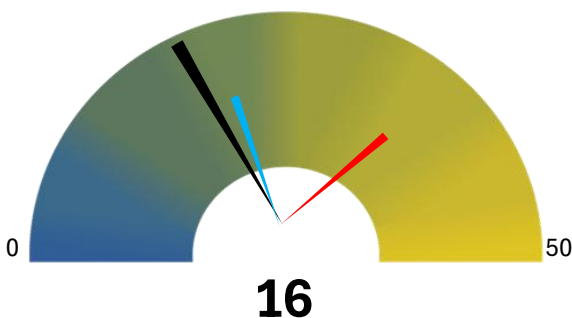
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**Your Sample:** Soil Row8 Zone 18  
**Received / Reported:** 15/Apr/25 | 19/May/25  
**Intended Crop:** Vegetables- Intense

Soil Health Panel	Units		RANKING:
Microbial Rate	ppm	67.4	Optimal
Solvita Response	( 0 - 6 )	3.91	Medium
Soil Amino-N	ppm	35	Low
Crumb Aggregates	Vol %	16	Low
Scoop Bulk Density	g/cc	0.93	Optimal
Total Carbon	%	1.100	Med-Low

Nutrients as: lb/a	Interpretative Guidelines			Est Carbon: lb/a
	N	P2O5	K2O	
Soil Supply:	86	110	120	20,460
Crop Use:	175	30	195	
Difference:	89	0	75	
Suggested Need	123	30	14	Est CEC, meq
Other Notations	Low Status	Normal	Normal	11.6



**OVERALL FERTILITY SCORE**  
YOUR VALUE IS BLACK. RED LINE IS REGION-EXPECTED TARGET



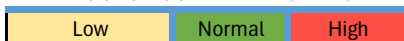
**SOIL HEALTH SCORE**  
YOUR VALUE IS BLACK POINTER.  
BLUE is Minimum and RED is Optimal Target  
Color range based on Solvita Color Scale

Green Manure/Cover Crop Recommendations

Types of Inter-planting Blends Suggested:

40% Legume 60% Grass/Non-Legume

COLOR SCALE KEY FOR TEST VALUES



## NUTRIENT PANEL

Analysis	Units	RESULT
Climate Zone at this Location	ZONE	5
Nitrogen as readily soluble NO3-N	ppm	5
Est. Seasonal Biological N-Release	lb/a	78
PMN (Avail. + N-Min) Nitrogen Potential	lb/a	86
Likelihood of N-Response based on Org-N	Rating	Likely
<b>Extractable Nutrients</b>		
Phosphorus , Extractable P	mg kg	26
Phosphorus - Carbonate Ext-P	mg kg	2.4
Potassium - Extractable K	mg kg	54
Calcium - Extractable Ca	mg kg	1129
Magnesium - Extractable Mg	mg kg	176
Sodium - Extractable Na	mg kg	62
<b>Rating Factors</b>		
Nutrient Index, Scale 0 - 100	Rating	70%
Most Limiting Factor		N
Cation Balance (Molar Ratio: K ÷ [Ca + Mg] )	Optimal	1.9%
<b>Other Factors</b>		
pH in water 1:1	Unit	6.701
Optional test (buffer pH)	Unit	6.595
Water Soluble Carbon	mg kg	126
Water Soluble C:N (WSOC:NO3-N)	Unit	25
Aluminum, Extractable	mg kg	217
Iron, Extractable (Optional)	mg kg	43

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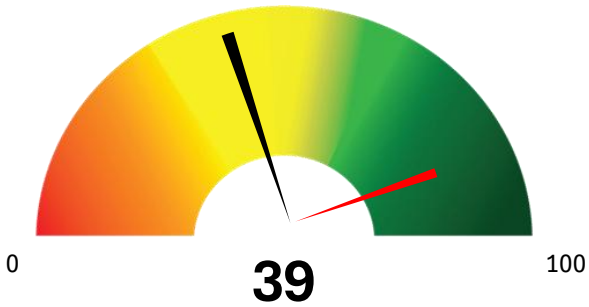
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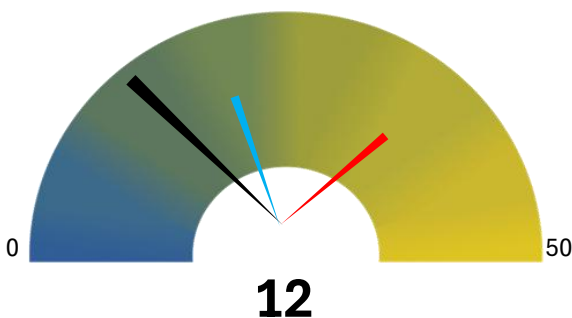
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Soil Orders: Inceptisol-Udepts / Alfisol-Aqualfs / \*  
Your Sample: Soil Row8 Zone 19  
Received / Reported: 15/Apr/25 | 19/May/25  
Intended Crop: Vegetables- Intense

Soil Health Panel	Units		RANKING:
Microbial Rate	ppm	31.7	Med-Low
Solvita Response	( 0 - 6 )	3.05	Low
Soil Amino-N	ppm	<13.4	Low
Crumb Aggregates	Vol %	5	Low
Scoop Bulk Density	g/cc	0.93	Optimal
Total Carbon	%	0.848	Low

Nutrients as: lb/a	Interpretative Guidelines			Est Carbon: lb/a
	N	P2O5	K2O	
Soil Supply:	48	38	70	15,778
Crop Use:	175	30	195	
Difference:	127	0	125	
Suggested Need	123	30	27	Est CEC, meq
Other Notations	Low Status	Normal	Normal	10.0



**OVERALL FERTILITY SCORE**  
YOUR VALUE IS BLACK. RED LINE IS REGION-EXPECTED TARGET



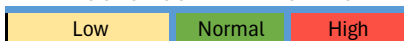
**SOIL HEALTH SCORE**  
YOUR VALUE IS BLACK POINTER.  
BLUE is Minimum and RED is Optimal Target  
Color range based on Solvita Color Scale

Green Manure/Cover Crop Recommendations

Types of Inter-planting Blends Suggested:

60% Legume 40% Grass/Non -Legume

COLOR SCALE KEY FOR TEST VALUES



## NUTRIENT PANEL

Analysis	Units	RESULT
Climate Zone at this Location	ZONE	5
Nitrogen as readily soluble NO3-N	ppm	6
Est. Seasonal Biological N-Release	lb/a	36
PMN (Avail. + N-Min) Nitrogen Potential	lb/a	48
Likelihood of N-Response based on Org-N	Rating	Likely
<b>Extractable Nutrients</b>		
Phosphorus , Extractable P	mg kg	9
Phosphorus - Carbonate Ext-P	mg kg	1.5
Potassium - Extractable K	mg kg	31
Calcium - Extractable Ca	mg kg	860
Magnesium - Extractable Mg	mg kg	213
Sodium - Extractable Na	mg kg	44
<b>Rating Factors</b>		
Nutrient Index, Scale 0 - 100	Rating	54%
Most Limiting Factor		N
Cation Balance (Molar Ratio: K ÷ [Ca + Mg] )	Optimal	1.3%
<b>Other Factors</b>		
pH in water 1:1	Unit	6.835
Optional test (buffer pH)	Unit	6.637
Water Soluble Carbon	mg kg	144
Water Soluble C:N (WSOC:NO3-N)	Unit	23
Aluminum, Extractable	mg kg	264
Iron, Extractable (Optional)	mg kg	44

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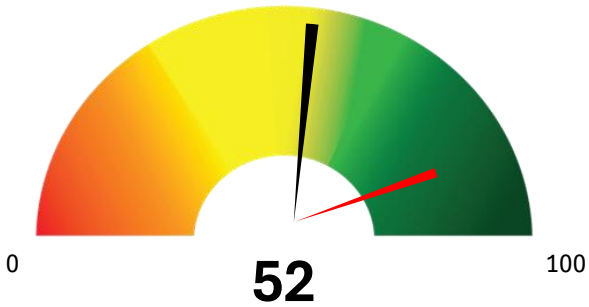
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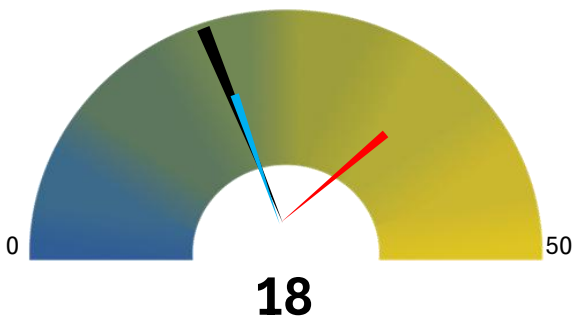
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Rainfall / Zone: 40 / APPALACHIAN HIGHLANDS  
Soil Orders: Inceptisol-Udepts / Alfisol-Aqualfs / \*  
Your Sample: Soil Row8 Zone 20  
Received / Reported: 15/Apr/25 | 19/May/25  
Intended Crop: Vegetables- Intense

Soil Health Panel	Units		RANKING:
Microbial Rate	ppm	64.9	Optimal
Solvita Response	( 0 - 6 )	3.79	Medium
Soil Amino-N	ppm	66	Medium
Crumb Aggregates	Vol %	18	Low
Scoop Bulk Density	g/cc	0.87	Optimal
Total Carbon	%	1.710	Medium

Nutrients as: lb/a	Interpretative Guidelines			Est Carbon: lb/a
	N	P205	K2O	
Soil Supply:	94	113	94	29,651
Crop Use:	175	30	195	
Difference:	81	0	101	
Suggested Need	123	30	33	Est CEC, meq
Other Notations	Low Status	Normal	Normal	13.4



**OVERALL FERTILITY SCORE**  
YOUR VALUE IS BLACK. RED LINE IS REGION-EXPECTED TARGET



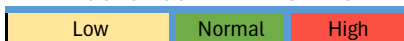
**SOIL HEALTH SCORE**  
YOUR VALUE IS BLACK POINTER.  
BLUE is Minimum and RED is Optimal Target  
Color range based on Solvita Color Scale

Green Manure/Cover Crop Recommendations

Types of Inter-planting Blends Suggested:

30% Legume 70% Grass/Non-Legume

COLOR SCALE KEY FOR TEST VALUES



## NUTRIENT PANEL

Analysis	Units	RESULT
Climate Zone at this Location	ZONE	5
Nitrogen as readily soluble NO3-N	ppm	11
Est. Seasonal Biological N-Release	lb/a	75
PMN (Avail. + N-Min) Nitrogen Potential	lb/a	94
Likelihood of N-Response based on Org-N	Rating	Likely
<b>Extractable Nutrients</b>		
Phosphorus , Extractable P	mg kg	28
Phosphorus - Carbonate Ext-P	mg kg	1.4
Potassium - Extractable K	mg kg	45
Calcium - Extractable Ca	mg kg	1490
Magnesium - Extractable Mg	mg kg	218
Sodium - Extractable Na	mg kg	73
<b>Rating Factors</b>		
Nutrient Index, Scale 0 - 100	Rating	67%
Most Limiting Factor		K
Cation Balance (Molar Ratio: K ÷ [Ca + Mg] )	Optimal	1.2%
<b>Other Factors</b>		
pH in water 1:1	Unit	6.837
Optional test (buffer pH)	Unit	6.634
Water Soluble Carbon	mg kg	135
Water Soluble C:N (WSOC:NO3-N)	Unit	12
Aluminum, Extractable	mg kg	333
Iron, Extractable (Optional)	mg kg	47

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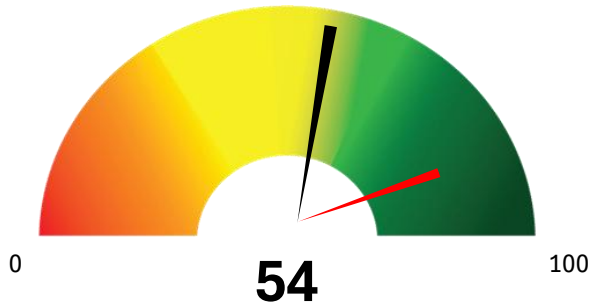
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Arthur's Point Farm  
118 Eagle Rock Rd  
Ghent, NY 12075  
United States

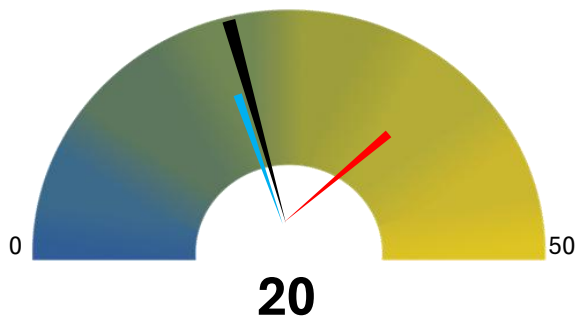
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**Soil Orders:** Inceptisol-Udepts / Alfisol-Aqualfs / \*  
**Your Sample:** Soil Row9 Zone 1  
**Received / Reported:** 15/Apr/25 | 19/May/25  
**Intended Crop:** Vegetables- Intense

Soil Health Panel	Units		RANKING:
Microbial Rate	ppm	95.7	Optimal
Solvita Response	( 0 - 6)	4.18	Medium
Soil Amino-N	ppm	103	Medium
Crumb Aggregates	Vol %	13	Low
Scoop Bulk Density	g/cc	0.83	Optimal
Total Carbon	%	1.570	Medium

Nutrients as: lb/a	Interpretative Guidelines			Est Carbon: lb/a
	N	P2O5	K2O	
Soil Supply:	124	39	67	25,989
Crop Use:	175	30	195	
Difference:	51	0	128	
Suggested Need	76	30	35	Est CEC, meq
Other Notations	Low Status	Normal	Normal	11.8



**OVERALL FERTILITY SCORE**  
YOUR VALUE IS BLACK. RED LINE IS REGION-EXPECTED TARGET



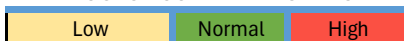
**SOIL HEALTH SCORE**  
YOUR VALUE IS BLACK POINTER.  
BLUE is Minimum and RED is Optimal Target  
Color range based on Solvita Color Scale

Green Manure/Cover Crop Recommendations

Types of Inter-planting Blends Suggested:

20% Legume 80% Grass/Non-legume

COLOR SCALE KEY FOR TEST VALUES



## NUTRIENT PANEL

Analysis	Units	RESULT
Climate Zone at this Location	ZONE	5
Nitrogen as readily soluble NO3-N	ppm	8
Est. Seasonal Biological N-Release	lb/a	110
PMN (Avail. + N-Min) Nitrogen Potential	lb/a	124
Likelihood of N-Response based on Org-N	Rating	Moderate
Extractable Nutrients		
Phosphorus , Extractable P	mg kg	10
Phosphorus - Carbonate Ext-P	mg kg	1.6
Potassium - Extractable K	mg kg	34
Calcium - Extractable Ca	mg kg	1090
Magnesium - Extractable Mg	mg kg	159
Sodium - Extractable Na	mg kg	62
Rating Factors		
Nutrient Index, Scale 0 - 100	Rating	68%
Most Limiting Factor		K
Cation Balance (Molar Ratio: K ÷ [Ca + Mg] )	Optimal	1.3%
Other Factors		
pH in water 1:1	Unit	6.627
Optional test (buffer pH)	Unit	6.538
Water Soluble Carbon	mg kg	147
Water Soluble C:N (WSOC:NO3-N)	Unit	19
Aluminum, Extractable	mg kg	268
Iron, Extractable (Optional)	mg kg	42

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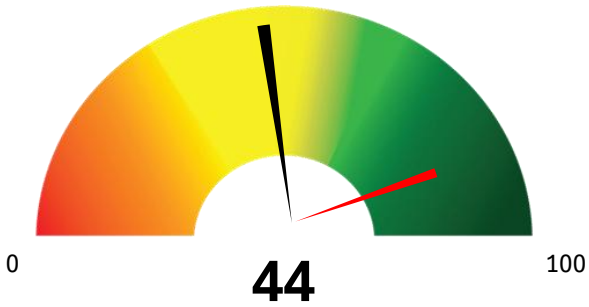
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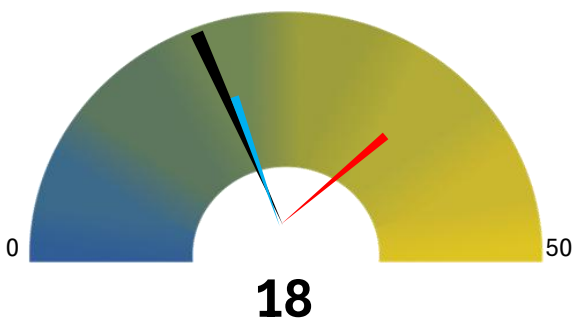
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**Your Sample:** Soil Row9 Zone 2  
**Received / Reported:** 15/Apr/25 | 19/May/25  
**Intended Crop:** Vegetables- Intense

Soil Health Panel	Units		RANKING:
Microbial Rate	ppm	66.0	Optimal
Solvita Response	( 0 - 6)	3.79	Medium
Soil Amino-N	ppm	59	Medium
Crumb Aggregates	Vol %	14	Low
Scoop Bulk Density	g/cc	0.85	Optimal
Total Carbon	%	1.610	Medium

Nutrients as: lb/a	Interpretative Guidelines			Est Carbon: lb/a
	N	P205	K2O	
Soil Supply:	90	23	65	27,456
Crop Use:	175	30	195	
Difference:	85	7	130	
Suggested Need	123	30	32	Est CEC, meq
Other Notations	Low Status	Ex Low	Normal	10.9



**OVERALL FERTILITY SCORE**  
YOUR VALUE IS BLACK. RED LINE IS REGION-EXPECTED TARGET



**SOIL HEALTH SCORE**  
YOUR VALUE IS BLACK POINTER.  
BLUE is Minimum and RED is Optimal Target  
Color range based on Solvita Color Scale

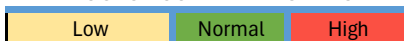
Green Manure/Cover Crop Recommendations

Types of Inter-planting Blends Suggested:

30% Legume 70% Grass/Non-Legume

**Lime Suggestion** 0 Lime tons/acre

COLOR SCALE KEY FOR TEST VALUES



## NUTRIENT PANEL

Analysis	Units	RESULT
Climate Zone at this Location	ZONE	5
Nitrogen as readily soluble NO3-N	ppm	8
Est. Seasonal Biological N-Release	lb/a	76
PMN (Avail. + N-Min) Nitrogen Potential	lb/a	90
Likelihood of N-Response based on Org-N	Rating	Likely
<b>Extractable Nutrients</b>		
Phosphorus , Extractable P	mg kg	6
Phosphorus - Carbonate Ext-P	mg kg	1.5
Potassium - Extractable K	mg kg	32
Calcium - Extractable Ca	mg kg	989
Magnesium - Extractable Mg	mg kg	162
Sodium - Extractable Na	mg kg	47
<b>Rating Factors</b>		
Nutrient Index, Scale 0 - 100	Rating	53%
Most Limiting Factor		<b>K</b>
Cation Balance (Molar Ratio: K ÷ [Ca + Mg] )	Optimal	<b>1.3%</b>
<b>Other Factors</b>		
pH in water 1:1	Unit	6.407
Optional test (buffer pH)	Unit	6.563
Water Soluble Carbon	mg kg	147
Water Soluble C:N (WSOC:NO3-N)	Unit	19
Aluminum, Extractable	mg kg	226
Iron, Extractable (Optional)	mg kg	29

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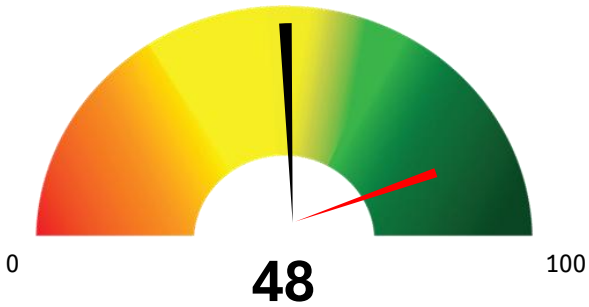
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United States

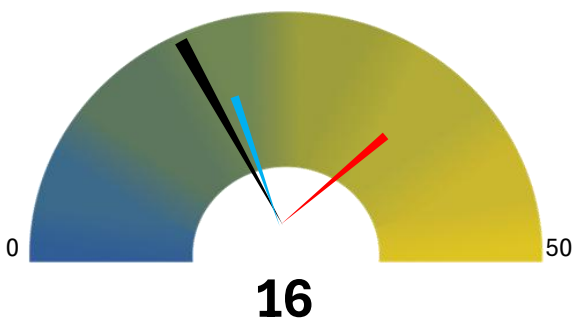
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**Your Sample:** Soil Row9 Zone 3  
**Received / Reported:** 15/Apr/25 | 19/May/25  
**Intended Crop:** Vegetables- Intense

Soil Health Panel	Units		RANKING:
Microbial Rate	ppm	70.3	Optimal
Solvita Response	( 0 - 6)	3.87	Medium
Soil Amino-N	ppm	47	Low
Crumb Aggregates	Vol %	19	Low
Scoop Bulk Density	g/cc	0.86	Optimal
Total Carbon	%	1.100	Med-Low

Nutrients as: lb/a	Interpretative Guidelines			Est Carbon: lb/a
	N	P2O5	K2O	
Soil Supply:	92	34	70	18,861
Crop Use:	175	30	195	
Difference:	83	0	125	
Suggested Need	123	30	41	Est CEC, meq
Other Notations	Low Status	Normal	Normal	12.8



**OVERALL FERTILITY SCORE**  
YOUR VALUE IS BLACK. RED LINE IS REGION-EXPECTED TARGET



**SOIL HEALTH SCORE**  
YOUR VALUE IS BLACK POINTER.  
BLUE is Minimum and RED is Optimal Target  
Color range based on Solvita Color Scale

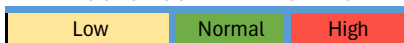
Green Manure/Cover Crop Recommendations

Types of Inter-planting Blends Suggested:

40% Legume 60% Grass/Non-Legume

Lime Suggestion 0 Lime tons/acre

COLOR SCALE KEY FOR TEST VALUES



## NUTRIENT PANEL

Analysis	Units	RESULT
Climate Zone at this Location	ZONE	5
Nitrogen as readily soluble NO3-N	ppm	6
Est. Seasonal Biological N-Release	lb/a	81
PMN (Avail. + N-Min) Nitrogen Potential	lb/a	92
Likelihood of N-Response based on Org-N	Rating	Likely
Extractable Nutrients		
Phosphorus , Extractable P	mg kg	9
Phosphorus - Carbonate Ext-P	mg kg	1.4
Potassium - Extractable K	mg kg	34
Calcium - Extractable Ca	mg kg	1179
Magnesium - Extractable Mg	mg kg	195
Sodium - Extractable Na	mg kg	68
Rating Factors		
Nutrient Index, Scale 0 - 100	Rating	63%
Most Limiting Factor		K
Cation Balance (Molar Ratio: K ÷ [Ca + Mg] )	Optimal	1.2%
Other Factors		
pH in water 1:1	Unit	6.410
Optional test (buffer pH)	Unit	6.512
Water Soluble Carbon	mg kg	114
Water Soluble C:N (WSOC:NO3-N)	Unit	18
Aluminum, Extractable	mg kg	273
Iron, Extractable (Optional)	mg kg	41

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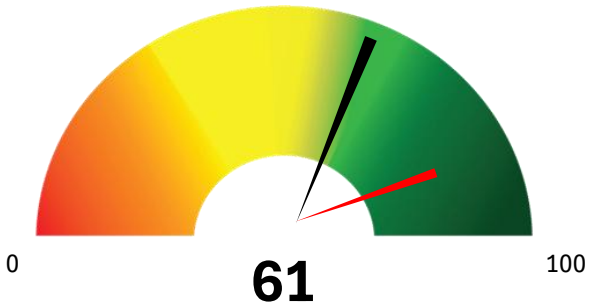
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Arthur's Point Farm  
118 Eagle Rock Rd  
Ghent, NY 12075  
United States

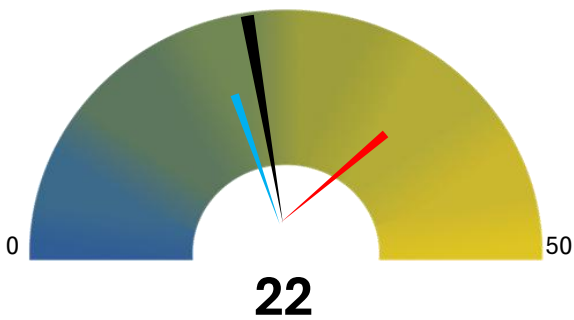
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**Your Sample:** Soil Row9 Zone 4  
**Received / Reported:** 15/Apr/25 | 19/May/25  
**Intended Crop:** Vegetables- Intense

Soil Health Panel	Units		RANKING:
Microbial Rate	ppm	131.1	High
Solvita Response	( 0 - 6)	4.54	High
Soil Amino-N	ppm	48	Low
Crumb Aggregates	Vol %	18	Low
Scoop Bulk Density	g/cc	0.83	Optimal
Total Carbon	%	1.640	Medium

Nutrients as: lb/a	Interpretative Guidelines			Est Carbon: lb/a
	N	P205	K2O	
Soil Supply:	164	55	84	27,268
Crop Use:	175	30	195	
Difference:	11	0	111	
Suggested Need	123	23	27	Est CEC, meq
Other Notations	Low Status	Normal	Normal	11.7



**OVERALL FERTILITY SCORE**  
YOUR VALUE IS BLACK. RED LINE IS REGION-EXPECTED TARGET



**SOIL HEALTH SCORE**  
YOUR VALUE IS BLACK POINTER.  
BLUE is Minimum and RED is Optimal Target  
Color range based on Solvita Color Scale

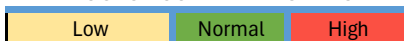
Green Manure/Cover Crop Recommendations

Types of Inter-planting Blends Suggested:

20% Legume 80% Grass/Non-legume

Lime Suggestion 0 Lime tons/acre

COLOR SCALE KEY FOR TEST VALUES



## NUTRIENT PANEL

Analysis	Units	RESULT
Climate Zone at this Location	ZONE	5
Nitrogen as readily soluble NO3-N	ppm	7
Est. Seasonal Biological N-Release	lb/a	151
PMN (Avail. + N-Min) Nitrogen Potential	lb/a	164
Likelihood of N-Response based on Org-N	Rating	Likely
<b>Extractable Nutrients</b>		
Phosphorus , Extractable P	mg kg	14
Phosphorus - Carbonate Ext-P	mg kg	3.4
Potassium - Extractable K	mg kg	42
Calcium - Extractable Ca	mg kg	1105
Magnesium - Extractable Mg	mg kg	143
Sodium - Extractable Na	mg kg	65
<b>Rating Factors</b>		
Nutrient Index, Scale 0 - 100	Rating	79%
Most Limiting Factor		K
Cation Balance (Molar Ratio: K ÷ [Ca + Mg] )	Optimal	1.6%
<b>Other Factors</b>		
pH in water 1:1	Unit	6.412
Optional test (buffer pH)	Unit	6.538
Water Soluble Carbon	mg kg	165
Water Soluble C:N (WSOC:NO3-N)	Unit	22
Aluminum, Extractable	mg kg	284
Iron, Extractable (Optional)	mg kg	43

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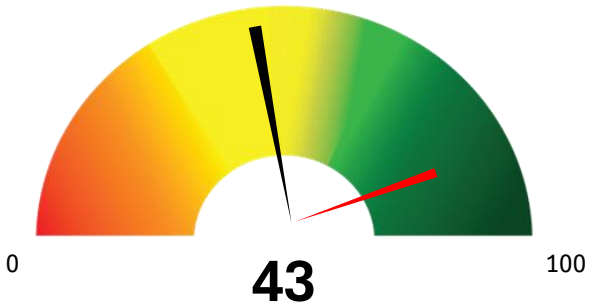
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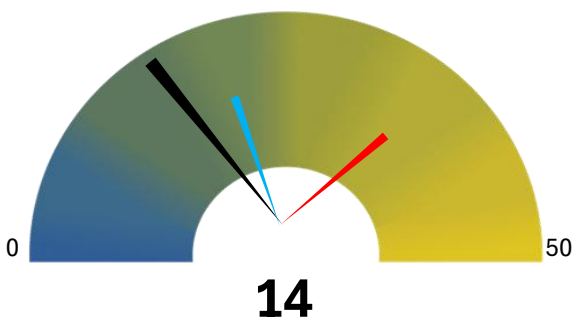
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Soil Orders: Inceptisol-Udepts / Alfisol-Aqualfs / \*  
Your Sample: **Soil Row9 Zone 5**  
Received / Reported: 15/Apr/25 | 19/May/25  
Intended Crop: *Vegetables- Intense*

Soil Health Panel	Units		RANKING:
Microbial Rate	ppm	48.4	Med-Low
Solvita Response	( 0 - 6 )	3.52	Medium
Soil Amino-N	ppm	<13.7	Low
Crumb Aggregates	Vol %	21	Low
Scoop Bulk Density	g/cc	0.91	Optimal
Total Carbon	%	0.692	Low

Nutrients as: lb/a	Interpretative Guidelines			Est Carbon: lb/a
	N	P205	K2O	
Soil Supply:	66	34	77	12,636
Crop Use:	175	30	195	
Difference:	109	0	118	
Suggested Need	123	30	27	Est CEC, meq
Other Notations	Low Status	Normal	Normal	10.6



**OVERALL FERTILITY SCORE**  
YOUR VALUE IS BLACK. RED LINE IS REGION-EXPECTED TARGET



**SOIL HEALTH SCORE**  
YOUR VALUE IS BLACK POINTER.  
BLUE is Minimum and RED is Optimal Target  
Color range based on Solvita Color Scale

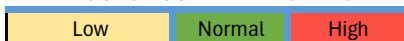
Green Manure/Cover Crop Recommendations

Types of Inter-planting Blends Suggested:

50% Legume 50% Grass/Non-Legume

Lime Suggestion 1 Lime tons/acre

COLOR SCALE KEY FOR TEST VALUES



## NUTRIENT PANEL

Analysis	Units	RESULT
Climate Zone at this Location	ZONE	5
Nitrogen as readily soluble NO3-N	ppm	5
Est. Seasonal Biological N-Release	lb/a	56
PMN (Avail. + N-Min) Nitrogen Potential	lb/a	66
Likelihood of N-Response based on Org-N	Rating	Likely
<b>Extractable Nutrients</b>		
Phosphorus , Extractable P	mg kg	8
Phosphorus - Carbonate Ext-P	mg kg	2.2
Potassium - Extractable K	mg kg	35
Calcium - Extractable Ca	mg kg	962
Magnesium - Extractable Mg	mg kg	169
Sodium - Extractable Na	mg kg	43
<b>Rating Factors</b>		
Nutrient Index, Scale 0 - 100	Rating	59%
Most Limiting Factor		<b>N</b>
Cation Balance (Molar Ratio: K ÷ [Ca + Mg] )	Optimal	1.4%
<b>Other Factors</b>		
pH in water 1:1	Unit	6.307
Optional test (buffer pH)	Unit	6.586
Water Soluble Carbon	mg kg	116
Water Soluble C:N (WSOC:NO3-N)	Unit	21
Aluminum, Extractable	mg kg	217
Iron, Extractable (Optional)	mg kg	39

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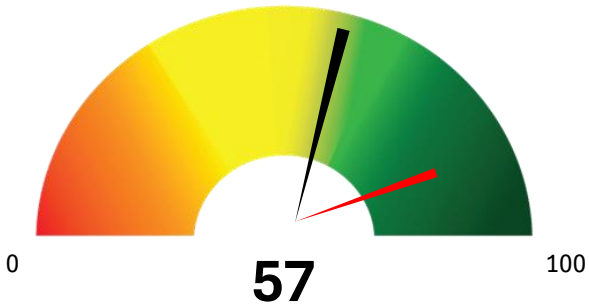
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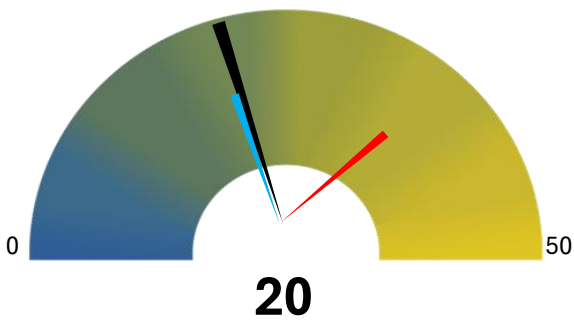
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**Soil Orders:** Inceptisol-Udepts / Alfisol-Aqualfs / \*  
**Your Sample:** Soil Row9 Zone 6  
**Received / Reported:** 15/Apr/25 | 19/May/25  
**Intended Crop:** Vegetables- Intense

Soil Health Panel	Units		RANKING:
Microbial Rate	ppm	100.3	High
Solvita Response	( 0 - 6)	4.26	Medium
Soil Amino-N	ppm	38	Low
Crumb Aggregates	Vol %	22	Low
Scoop Bulk Density	g/cc	0.85	Optimal
Total Carbon	%	1.540	Medium

Nutrients as: lb/a	Interpretative Guidelines			Est Carbon: lb/a
	N	P2O5	K2O	
Soil Supply:	130	51	96	26,252
Crop Use:	175	30	195	
Difference:	45	0	99	
Suggested Need	123	15	29	Est CEC, meq
Other Notations	Low Status	Normal	Normal	13.1



**OVERALL FERTILITY SCORE**  
YOUR VALUE IS BLACK. RED LINE IS REGION-EXPECTED TARGET



**SOIL HEALTH SCORE**  
YOUR VALUE IS BLACK POINTER.  
BLUE is Minimum and RED is Optimal Target  
Color range based on Solvita Color Scale

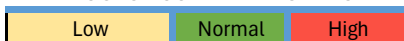
Green Manure/Cover Crop Recommendations

Types of Inter-planting Blends Suggested:

30% Legume 70% Grass/Non-Legume

**Lime Suggestion** 1.5 Lime tons/acre

COLOR SCALE KEY FOR TEST VALUES



## NUTRIENT PANEL

Analysis	Units	RESULT
Climate Zone at this Location	ZONE	5
Nitrogen as readily soluble NO3-N	ppm	8
Est. Seasonal Biological N-Release	lb/a	115
PMN (Avail. + N-Min) Nitrogen Potential	lb/a	130
Likelihood of N-Response based on Org-N	Rating	Likely
<b>Extractable Nutrients</b>		
Phosphorus , Extractable P	mg kg	13
Phosphorus - Carbonate Ext-P	mg kg	5.0
Potassium - Extractable K	mg kg	47
Calcium - Extractable Ca	mg kg	1083
Magnesium - Extractable Mg	mg kg	141
Sodium - Extractable Na	mg kg	38
<b>Rating Factors</b>		
Nutrient Index, Scale 0 - 100	Rating	75%
Most Limiting Factor		K
Cation Balance (Molar Ratio: K ÷ [Ca + Mg] )	Optimal	1.8%
<b>Other Factors</b>		
pH in water 1:1	Unit	5.703
Optional test (buffer pH)	Unit	6.382
Water Soluble Carbon	mg kg	129
Water Soluble C:N (WSOC:NO3-N)	Unit	15
Aluminum, Extractable	mg kg	250
Iron, Extractable (Optional)	mg kg	66

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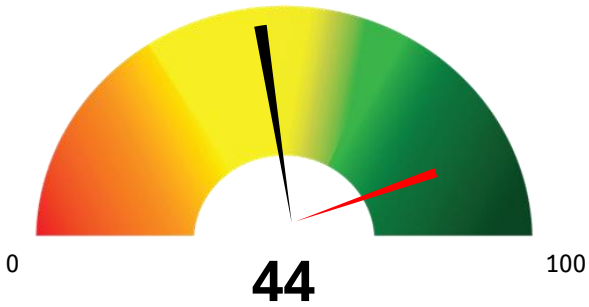
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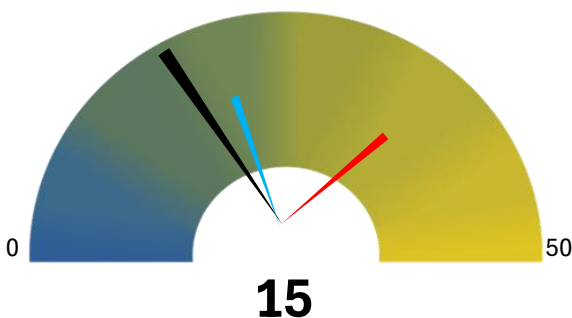
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Soil Orders: Inceptisol-Udepts / Alfisol-Aqualfs / \*  
Your Sample: Soil Row9 Zone 7  
Received / Reported: 15/Apr/25 | 19/May/25  
Intended Crop: Vegetables- Intense

Soil Health Panel	Units		RANKING:
Microbial Rate	ppm	39.4	Med-Low
Solvita Response	( 0 - 6)	3.28	Medium
Soil Amino-N	ppm	25	Low
Crumb Aggregates	Vol %	14	Low
Scoop Bulk Density	g/cc	0.92	Optimal
Total Carbon	%	0.828	Low

Nutrients as: lb/a	Interpretative Guidelines			Est Carbon: lb/a
	N	P205	K2O	
Soil Supply:	57	63	82	15,180
Crop Use:	175	30	195	
Difference:	118	0	113	
Suggested Need	123	30	44	Est CEC, meq
Other Notations	Low Status	Normal	Normal	13.9



**OVERALL FERTILITY SCORE**  
YOUR VALUE IS BLACK. RED LINE IS REGION-EXPECTED TARGET



**SOIL HEALTH SCORE**  
YOUR VALUE IS BLACK POINTER.  
BLUE is Minimum and RED is Optimal Target  
Color range based on Solvita Color Scale

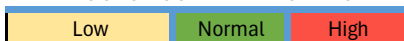
Green Manure/Cover Crop Recommendations

Types of Inter-planting Blends Suggested:

50% Legume 50% Grass/Non-Legume

Lime Suggestion 1.8 Lime tons/acre

COLOR SCALE KEY FOR TEST VALUES



## NUTRIENT PANEL

Analysis	Units	RESULT
Climate Zone at this Location	ZONE	5
Nitrogen as readily soluble NO3-N	ppm	7
Est. Seasonal Biological N-Release	lb/a	45
PMN (Avail. + N-Min) Nitrogen Potential	lb/a	57
Likelihood of N-Response based on Org-N	Rating	Likely
Extractable Nutrients		
Phosphorus , Extractable P	mg kg	15
Phosphorus - Carbonate Ext-P	mg kg	1.3
Potassium - Extractable K	mg kg	37
Calcium - Extractable Ca	mg kg	995
Magnesium - Extractable Mg	mg kg	148
Sodium - Extractable Na	mg kg	82
Rating Factors		
Nutrient Index, Scale 0 - 100	Rating	58%
Most Limiting Factor		N
Cation Balance (Molar Ratio: K ÷ [Ca + Mg] )	Optimal	1.5%
Other Factors		
pH in water 1:1	Unit	5.902
Optional test (buffer pH)	Unit	6.272
Water Soluble Carbon	mg kg	214
Water Soluble C:N (WSOC:NO3-N)	Unit	33
Aluminum, Extractable	mg kg	263
Iron, Extractable (Optional)	mg kg	77

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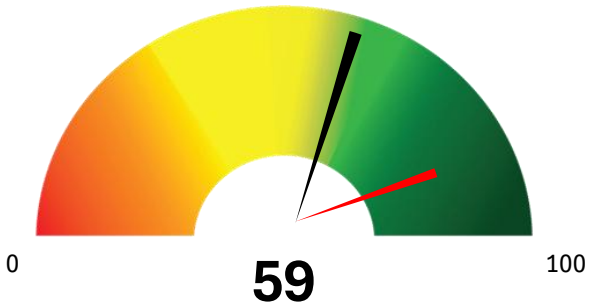
Generated by user ID: nh

David Newman  
Arthur's Point Farm  
118 Eagle Rock Rd  
Ghent, NY 12075  
United States

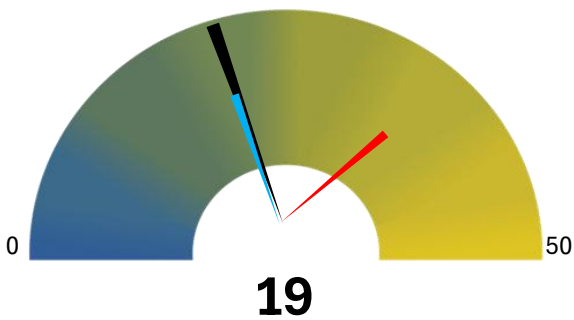
Account / Sample ID: 3433 / 12939.8  
Rainfall / Zone: 40 / APPALACHIAN HIGHLANDS  
Soil Orders: Inceptisol-Udepts / Alfisol-Aqualfs / \*  
Your Sample: Soil Row9 Zone 8  
Received / Reported: 15/Apr/25 | 19/May/25  
Intended Crop: Vegetables- Intense

Soil Health Panel	Units		RANKING:
Microbial Rate	ppm	80.9	Optimal
Solvita Response	( 0 - 6)	4.11	Medium
Soil Amino-N	ppm	127	Medium
Crumb Aggregates	Vol %	11	Low
Scoop Bulk Density	g/cc	0.92	Optimal
Total Carbon	%	1.240	Med-Low

Nutrients as: lb/a	Interpretative Guidelines			Est Carbon: lb/a
	N	P205	K2O	
Soil Supply:	110	127	146	22,874
Crop Use:	175	30	195	
Difference:	65	0	49	
Suggested Need	90	30	3	Est CEC, meq
Other Notations	Low Status	Normal	Normal	11.8



**OVERALL FERTILITY SCORE**  
YOUR VALUE IS BLACK. RED LINE IS REGION-EXPECTED TARGET



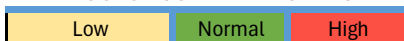
**SOIL HEALTH SCORE**  
YOUR VALUE IS BLACK POINTER.  
BLUE is Minimum and RED is Optimal Target  
Color range based on Solvita Color Scale

Green Manure/Cover Crop Recommendations

Types of Inter-planting Blends Suggested:

30% Legume 70% Grass/Non-Legume

COLOR SCALE KEY FOR TEST VALUES



## NUTRIENT PANEL

Analysis	Units	RESULT
Climate Zone at this Location	ZONE	5
Nitrogen as readily soluble NO3-N	ppm	10
Est. Seasonal Biological N-Release	lb/a	93
PMN (Avail. + N-Min) Nitrogen Potential	lb/a	110
Likelihood of N-Response based on Org-N	Rating	Moderate
<b>Extractable Nutrients</b>		
Phosphorus , Extractable P	mg kg	30
Phosphorus - Carbonate Ext-P	mg kg	1.0
Potassium - Extractable K	mg kg	66
Calcium - Extractable Ca	mg kg	1337
Magnesium - Extractable Mg	mg kg	194
Sodium - Extractable Na	mg kg	89
<b>Rating Factors</b>		
Nutrient Index, Scale 0 - 100	Rating	79%
Most Limiting Factor		N
Cation Balance (Molar Ratio: K ÷ [Ca + Mg] )	Optimal	2.0%
<b>Other Factors</b>		
pH in water 1:1	Unit	6.585
Optional test (buffer pH)	Unit	6.709
Water Soluble Carbon	mg kg	150
Water Soluble C:N (WSOC:NO3-N)	Unit	16
Aluminum, Extractable	mg kg	244
Iron, Extractable (Optional)	mg kg	65

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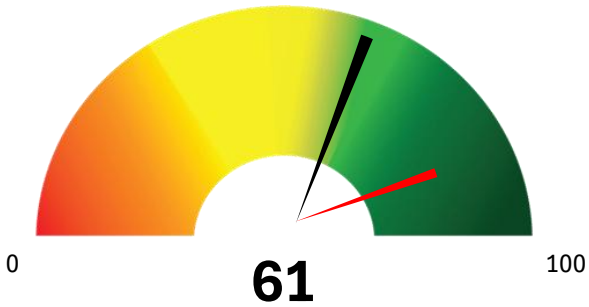
Generated by user ID: nh

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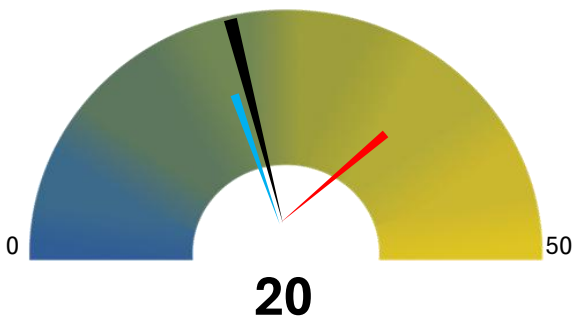
Account / Sample ID: 3433 / 12939.9  
Rainfall / Zone: 40 / APPALACHIAN HIGHLANDS  
Soil Orders: Inceptisol-Udepts / Alfisol-Aqualfs / \*  
Your Sample: Soil Row9 Zone 9  
Received / Reported: 15/Apr/25 | 19/May/25  
Intended Crop: Vegetables- Intense

Soil Health Panel	Units		RANKING:
Microbial Rate	ppm	92.3	Optimal
Solvita Response	( 0 - 6)	4.15	Medium
Soil Amino-N	ppm	27	Low
Crumb Aggregates	Vol %	19	Low
Scoop Bulk Density	g/cc	0.83	Optimal
Total Carbon	%	1.790	Medium

Nutrients as: lb/a	Interpretative Guidelines			Est Carbon: lb/a
	N	P205	K2O	
Soil Supply:	126	853	134	29,881
Crop Use:	175	30	195	
Difference:	49	0	61	
Suggested Need	123	0	36	Est CEC, meq
Other Notations	Low Status	Excess	Normal	17.6



**OVERALL FERTILITY SCORE**  
YOUR VALUE IS BLACK. RED LINE IS REGION-EXPECTED TARGET



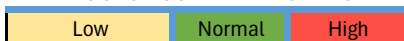
**SOIL HEALTH SCORE**  
YOUR VALUE IS BLACK POINTER.  
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Color range based on Solvita Color Scale

Green Manure/Cover Crop Recommendations

Types of Inter-planting Blends Suggested:

20% Legume 80% Grass/Non-legume

COLOR SCALE KEY FOR TEST VALUES



## NUTRIENT PANEL

Analysis	Units	RESULT
Climate Zone at this Location	ZONE	5
Nitrogen as readily soluble NO3-N	ppm	11
Est. Seasonal Biological N-Release	lb/a	106
PMN (Avail. + N-Min) Nitrogen Potential	lb/a	126
Likelihood of N-Response based on Org-N	Rating	Likely
<b>Extractable Nutrients</b>		
Phosphorus , Extractable P	mg kg	222
Phosphorus - Carbonate Ext-P	mg kg	2.8
Potassium - Extractable K	mg kg	67
Calcium - Extractable Ca	mg kg	2153
Magnesium - Extractable Mg	mg kg	254
Sodium - Extractable Na	mg kg	58
<b>Rating Factors</b>		
Nutrient Index, Scale 0 - 100	Rating	80%
Most Limiting Factor		K
Cation Balance (Molar Ratio: K ÷ [Ca + Mg] )	Optimal	1.3%
<b>Other Factors</b>		
pH in water 1:1	Unit	6.669
Optional test (buffer pH)	Unit	6.575
Water Soluble Carbon	mg kg	193
Water Soluble C:N (WSOC:NO3-N)	Unit	18
Aluminum, Extractable	mg kg	283
Iron, Extractable (Optional)	mg kg	65

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