

Account No. : 19356

Soil Analysis Report

**DANIELS, JUDY
SOIL SAGE LLC
8323 DEPEW WAY
ARVADA**

CO 80003

**Invoice No. : 1447921
Date Received : 06/06/2025
Date Reported : 06/10/2025**

Results For : CIV
Location : SLB

Lab No. : 59568 Depth : 0 - 6
ID : CIV-320576-SOIL 1.1

1:1 Soil pH	8.1
Soluble Salts 1:1, mmho/cm	0.17
Excess Lime Rating	LOW
Organic Matter LOI, %	0.6
Nitrate-N KCl, ppm N	0.5
Nitrate-N, lbs N / Acre	1
Phosphorus M3, ppm P	27
Potassium NH ₄ OAc, ppm K	107
Sulfate M-3, ppm S	13.4
Zinc DTPA, ppm Zn	0.25
Iron DTPA, ppm Fe	4.8
Manganese DTPA, ppm Mn	1.0
Copper DTPA, ppm Cu	0.25
Calcium NH ₄ OAc, ppm Ca	879
Magnesium NH ₄ OAc, ppm Mg	101
Sodium NH ₄ OAc, ppm Na	22
Chloride Ca-NO ₃ , ppm Cl	5.2
Boron Hot Water, ppm B	0.11
Calcium Carbonate, %	0.1

	Sum of Cations,	% Saturation				
	me/100g	H	K	Ca	Mg	Na
	5.6	0	5	78	15	2

Saturated Soil Paste Analysis (SAR)

Saturation, %	39
Sat Paste pH	7.4
Sat Paste ECe, mmho/cm	1.21
HCO ₃ , ppm	64
Cl, ppm	246
Ca, ppm	111
Mg, ppm	21
Na, ppm	28
S, ppm	28.8

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Results For : CIV
Location : SLB

Sodium Adsorption Ratio			0.6
Soil Texture	Sand, %	Silt, %	Clay, %
Sandy Loam	77	12	11

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Results For : CIV
 Location : SLB

Lab No. : 59569 Depth : 6 - 12
 ID : CIV-320576-SOIL 1.1

1:1 Soil pH	7.6
Soluble Salts 1:1, mmho/cm	0.15
Excess Lime Rating	LOW
Organic Matter LOI, %	0.5
Nitrate-N KCl, ppm N	1.8
Nitrate-N, lbs N / Acre	3
Phosphorus M3, ppm P	22
Potassium NH ₄ OAc, ppm K	147
Sulfate M-3, ppm S	13.3
Zinc DTPA, ppm Zn	0.18
Iron DTPA, ppm Fe	7.1
Manganese DTPA, ppm Mn	1.3
Copper DTPA, ppm Cu	0.23
Calcium NH ₄ OAc, ppm Ca	706
Magnesium NH ₄ OAc, ppm Mg	100
Sodium NH ₄ OAc, ppm Na	16
Chloride Ca-NO ₃ , ppm Cl	6.1
Boron Hot Water, ppm B	0.07
Calcium Carbonate, %	0.0
Sum of Cations, % Saturation	
me/100g H K Ca Mg Na	
4.8 0 8 73 17 1	
Saturated Soil Paste Analysis (SAR)	
Saturation, %	28
Sat Paste pH	7.1
Sat Paste ECe, mmho/cm	0.62
HCO ₃ , ppm	110
Cl, ppm	42
Ca, ppm	71
Mg, ppm	14
Na, ppm	13
S, ppm	34.0

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Results For : CIV
Location : SLB

Sodium Adsorption Ratio			0.4
Soil Texture	Sand, %	Silt, %	Clay, %
Loamy Sand	87	4	9

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Results For : CIV
 Location : SLB

Lab No. : 59570 Depth : 12 - 18
 ID : CIV-320576-SOIL 1.3

1:1 Soil pH	7.5
Soluble Salts 1:1, mmho/cm	0.14
Excess Lime Rating	LOW
Organic Matter LOI, %	0.7
Nitrate-N KCl, ppm N	1.5
Nitrate-N, lbs N / Acre	3
Phosphorus M3, ppm P	24
Potassium NH ₄ OAc, ppm K	178
Sulfate M-3, ppm S	6.8
Zinc DTPA, ppm Zn	0.16
Iron DTPA, ppm Fe	10.1
Manganese DTPA, ppm Mn	1.0
Copper DTPA, ppm Cu	0.25
Calcium NH ₄ OAc, ppm Ca	925
Magnesium NH ₄ OAc, ppm Mg	126
Sodium NH ₄ OAc, ppm Na	13
Chloride Ca-NO ₃ , ppm Cl	3.4
Boron Hot Water, ppm B	0.11
Calcium Carbonate, %	0.1
Sum of Cations, % Saturation	
me/100g	H K Ca Mg Na
6.2	0 7 75 17 1
Saturated Soil Paste Analysis (SAR)	
Saturation, %	41
Sat Paste pH	6.8
Sat Paste ECe, mmho/cm	0.52
HCO ₃ , ppm	188
Cl, ppm	37
Ca, ppm	62
Mg, ppm	11
Na, ppm	7
S, ppm	6.6

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Results For : CIV
Location : SLB

Sodium Adsorption Ratio			0.2
Soil Texture	Sand, %	Silt, %	Clay, %
Loamy Sand	87	2	11

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Results For : CIV
 Location : SLB

Lab No. : 59571 Depth : 18 - 24
 ID : CIV-320576-SOIL 1.4

1:1 Soil pH	7.2
Soluble Salts 1:1, mmho/cm	0.05
Excess Lime Rating	NONE
Organic Matter LOI, %	0.5
Nitrate-N KCl, ppm N	2.0
Nitrate-N, lbs N / Acre	4
Phosphorus M3, ppm P	30
Potassium NH ₄ OAc, ppm K	115
Sulfate M-3, ppm S	3.5
Zinc DTPA, ppm Zn	0.36
Iron DTPA, ppm Fe	7.8
Manganese DTPA, ppm Mn	2.0
Copper DTPA, ppm Cu	0.20
Calcium NH ₄ OAc, ppm Ca	382
Magnesium NH ₄ OAc, ppm Mg	68
Sodium NH ₄ OAc, ppm Na	10
Chloride Ca-NO ₃ , ppm Cl	3.2
Boron Hot Water, ppm B	0.08
Calcium Carbonate, %	0.0
Sum of Cations, % Saturation	
me/100g H K Ca Mg Na	
2.8 0 10 68 20 2	
Saturated Soil Paste Analysis (SAR)	
Saturation, %	27
Sat Paste pH	6.6
Sat Paste ECe, mmho/cm	0.16
HCO ₃ , ppm	27
Cl, ppm	7
Ca, ppm	10
Mg, ppm	4
Na, ppm	3
S, ppm	1.9

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Results For : CIV
Location : SLB

Sodium Adsorption Ratio			0.2
Soil Texture	Sand, %	Silt, %	Clay, %
Loamy Sand	83	8	9

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Results For : CIV
Location : SLB

Lab No. : 59572 Depth : 0 - 6
ID : CIV-320576-SOIL 2.1 REF

1:1 Soil pH	6.9
Soluble Salts 1:1, mmho/cm	0.05
Excess Lime Rating	NONE
Organic Matter LOI, %	0.4
Nitrate-N KCl, ppm N	0.3
Nitrate-N, lbs N / Acre	1
Phosphorus M3, ppm P	23
Potassium NH ₄ OAc, ppm K	140
Sulfate M-3, ppm S	2.5
Zinc DTPA, ppm Zn	0.14
Iron DTPA, ppm Fe	11.4
Manganese DTPA, ppm Mn	2.3
Copper DTPA, ppm Cu	0.26
Calcium NH ₄ OAc, ppm Ca	364
Magnesium NH ₄ OAc, ppm Mg	63
Sodium NH ₄ OAc, ppm Na	10
Chloride Ca-NO ₃ , ppm Cl	2.8
Boron Hot Water, ppm B	0.06
Calcium Carbonate, %	0.0
Sum of Cations, % Saturation	
me/100g H K Ca Mg Na	
2.7 0 13 66 19 2	
Saturated Soil Paste Analysis (SAR)	
Saturation, %	29
Sat Paste pH	6.1
Sat Paste ECe, mmho/cm	0.09
HCO ₃ , ppm	< 0
Cl, ppm	6
Ca, ppm	3
Mg, ppm	2
Na, ppm	4
S, ppm	1.6

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Results For : CIV
Location : SLB

Sodium Adsorption Ratio			0.4
Soil Texture	Sand, %	Silt, %	Clay, %
Loamy Sand	85	6	9

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Results For : CIV
Location : SLB

Lab No. : 59573 Depth : 6 - 12
ID : CIV-320576-SOIL 2.2 REF

1:1 Soil pH	7.1
Soluble Salts 1:1, mmho/cm	0.05
Excess Lime Rating	NONE
Organic Matter LOI, %	0.6
Nitrate-N KCl, ppm N	0.2
Nitrate-N, lbs N / Acre	0
Phosphorus M3, ppm P	17
Potassium NH ₄ OAc, ppm K	186
Sulfate M-3, ppm S	4.5
Zinc DTPA, ppm Zn	0.13
Iron DTPA, ppm Fe	10.8
Manganese DTPA, ppm Mn	1.4
Copper DTPA, ppm Cu	0.29
Calcium NH ₄ OAc, ppm Ca	809
Magnesium NH ₄ OAc, ppm Mg	131
Sodium NH ₄ OAc, ppm Na	11
Chloride Ca-NO ₃ , ppm Cl	3.6
Boron Hot Water, ppm B	0.08
Calcium Carbonate, %	0.0
Sum of Cations, % Saturation	
me/100g H K Ca Mg Na	
5.7 0 8 71 19 1	
Saturated Soil Paste Analysis (SAR)	
Saturation, %	38
Sat Paste pH	5.9
Sat Paste ECe, mmho/cm	0.06
HCO ₃ , ppm	< 0
Cl, ppm	5
Ca, ppm	3
Mg, ppm	1
Na, ppm	1
S, ppm	1.0

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Results For : CIV
Location : SLB

Sodium Adsorption Ratio			0.1
Soil Texture	Sand, %	Silt, %	Clay, %
Loamy Sand	83	4	13

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Results For : CIV
 Location : SLB

Lab No. : 59574 Depth : 12 - 18
 ID : CIV-320576-SOIL 2.3 REF

1:1 Soil pH	7.2
Soluble Salts 1:1, mmho/cm	0.05
Excess Lime Rating	NONE
Organic Matter LOI, %	0.6
Nitrate-N KCl, ppm N	0.2
Nitrate-N, lbs N / Acre	0
Phosphorus M3, ppm P	13
Potassium NH ₄ OAc, ppm K	143
Sulfate M-3, ppm S	2.6
Zinc DTPA, ppm Zn	0.12
Iron DTPA, ppm Fe	8.4
Manganese DTPA, ppm Mn	1.3
Copper DTPA, ppm Cu	0.27
Calcium NH ₄ OAc, ppm Ca	724
Magnesium NH ₄ OAc, ppm Mg	121
Sodium NH ₄ OAc, ppm Na	10
Chloride Ca-NO ₃ , ppm Cl	2.5
Boron Hot Water, ppm B	0.10
Calcium Carbonate, %	0.0
Sum of Cations, % Saturation	
me/100g H K Ca Mg Na	
5.0 0 7 72 20 1	
Saturated Soil Paste Analysis (SAR)	
Saturation, %	45
Sat Paste pH	6.1
Sat Paste ECe, mmho/cm	0.05
HCO ₃ , ppm	< 0
Cl, ppm	5
Ca, ppm	3
Mg, ppm	1
Na, ppm	1
S, ppm	0.4

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Results For : CIV
Location : SLB

Sodium Adsorption Ratio			0.1
Soil Texture	Sand, %	Silt, %	Clay, %
Loamy Sand	85	2	13

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Results For : CIV
Location : SLB

Lab No. : 59575 Depth : 18 - 24
ID : CIV-320576-SOIL 2.4 REF

1:1 Soil pH	8.1
Soluble Salts 1:1, mmho/cm	0.34
Excess Lime Rating	HIGH
Organic Matter LOI, %	2.2
Nitrate-N KCl, ppm N	3.5
Nitrate-N, lbs N / Acre	6
Phosphorus M3, ppm P	106
Potassium NH ₄ OAc, ppm K	307
Sulfate M-3, ppm S	51.4
Zinc DTPA, ppm Zn	4.09
Iron DTPA, ppm Fe	13.0
Manganese DTPA, ppm Mn	1.8
Copper DTPA, ppm Cu	1.28
Calcium NH ₄ OAc, ppm Ca	5043
Magnesium NH ₄ OAc, ppm Mg	559
Sodium NH ₄ OAc, ppm Na	87
Chloride Ca-NO ₃ , ppm Cl	14.8
Boron Hot Water, ppm B	1.35
Calcium Carbonate, %	0.8
Sum of Cations, % Saturation	
me/100g	H K Ca Mg Na
31.0	0 3 81 15 1
Saturated Soil Paste Analysis (SAR)	
Saturation, %	46
Sat Paste pH	7.5
Sat Paste ECe, mmho/cm	0.84
HCO ₃ , ppm	156
Cl, ppm	23
Ca, ppm	81
Mg, ppm	25
Na, ppm	58
S, ppm	74.8

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Sodium Adsorption Ratio			1.4
Soil Texture	Sand, %	Silt, %	Clay, %
Sandy Clay Loam	59	12	29

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Results For : CIV
Location : SLB

Lab No. : 59576 Depth : 0 - 6
ID : CIV-320576-SOIL 3.1 RD

1:1 Soil pH	8.2
Soluble Salts 1:1, mmho/cm	0.26
Excess Lime Rating	LOW
Organic Matter LOI, %	1.6
Nitrate-N KCl, ppm N	6.1
Nitrate-N, lbs N / Acre	11
Phosphorus M3, ppm P	56
Potassium NH ₄ OAc, ppm K	139
Sulfate M-3, ppm S	26.3
Zinc DTPA, ppm Zn	3.02
Iron DTPA, ppm Fe	16.6
Manganese DTPA, ppm Mn	1.5
Copper DTPA, ppm Cu	2.03
Calcium NH ₄ OAc, ppm Ca	2329
Magnesium NH ₄ OAc, ppm Mg	340
Sodium NH ₄ OAc, ppm Na	85
Chloride Ca-NO ₃ , ppm Cl	11.6
Boron Hot Water, ppm B	0.82
Calcium Carbonate, %	0.2

Sum of Cations, me/100g	% Saturation				
	H	K	Ca	Mg	Na
15.2	0	2	77	19	2

Saturated Soil Paste Analysis (SAR)

Saturation, %	35
Sat Paste pH	7.5
Sat Paste ECe, mmho/cm	0.77
HCO ₃ , ppm	130
Cl, ppm	27
Ca, ppm	63
Mg, ppm	16
Na, ppm	71
S, ppm	51.1

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Sodium Adsorption Ratio			2.1
Soil Texture	Sand, %	Silt, %	Clay, %
Sandy Clay Loam	65	14	21

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Results For : CIV
Location : SLB

Lab No. : 59577 Depth : 6 - 12
ID : CIV-320576-SOIL 3.2 RD

1:1 Soil pH	7.4
Soluble Salts 1:1, mmho/cm	0.16
Excess Lime Rating	LOW
Organic Matter LOI, %	0.6
Nitrate-N KCl, ppm N	6.8
Nitrate-N, lbs N / Acre	12
Phosphorus M3, ppm P	27
Potassium NH ₄ OAc, ppm K	173
Sulfate M-3, ppm S	12.8
Zinc DTPA, ppm Zn	0.17
Iron DTPA, ppm Fe	9.5
Manganese DTPA, ppm Mn	2.1
Copper DTPA, ppm Cu	0.39
Calcium NH ₄ OAc, ppm Ca	584
Magnesium NH ₄ OAc, ppm Mg	111
Sodium NH ₄ OAc, ppm Na	52
Chloride Ca-NO ₃ , ppm Cl	8.6
Boron Hot Water, ppm B	0.11
Calcium Carbonate, %	0.0
Sum of Cations, % Saturation	
me/100g H K Ca Mg Na	
4.5 0 10 65 20 5	
Saturated Soil Paste Analysis (SAR)	
Saturation, %	39
Sat Paste pH	6.7
Sat Paste ECe, mmho/cm	0.44
HCO ₃ , ppm	25
Cl, ppm	15
Ca, ppm	17
Mg, ppm	5
Na, ppm	51
S, ppm	23.9

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Sodium Adsorption Ratio			2.8
Soil Texture	Sand, %	Silt, %	Clay, %
Sandy Loam	69	16	15

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Results For : CIV
Location : SLB

Lab No. : 59578 Depth : 12 - 18
ID : CIV-320576-SOIL 3.3 RD

1:1 Soil pH	7.0
Soluble Salts 1:1, mmho/cm	0.15
Excess Lime Rating	LOW
Organic Matter LOI, %	1.0
Nitrate-N KCl, ppm N	8.3
Nitrate-N, lbs N / Acre	15
Phosphorus M3, ppm P	18
Potassium NH ₄ OAc, ppm K	335
Sulfate M-3, ppm S	13.9
Zinc DTPA, ppm Zn	0.15
Iron DTPA, ppm Fe	10.6
Manganese DTPA, ppm Mn	1.6
Copper DTPA, ppm Cu	0.37
Calcium NH ₄ OAc, ppm Ca	1325
Magnesium NH ₄ OAc, ppm Mg	241
Sodium NH ₄ OAc, ppm Na	56
Chloride Ca-NO ₃ , ppm Cl	7.3
Boron Hot Water, ppm B	0.19
Calcium Carbonate, %	0.0
Sum of Cations,	% Saturation
me/100g	H K Ca Mg Na
9.7	0 9 68 21 2
Saturated Soil Paste Analysis (SAR)	
Saturation, %	34
Sat Paste pH	6.3
Sat Paste ECe, mmho/cm	0.74
HCO ₃ , ppm	< 0
Cl, ppm	80
Ca, ppm	54
Mg, ppm	13
Na, ppm	42
S, ppm	27.8

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Results For : CIV
Location : SLB

Sodium Adsorption Ratio			1.3
Soil Texture	Sand, %	Silt, %	Clay, %
Sandy Loam	77	4	19

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Results For : CIV
 Location : SLB

Lab No. : 59579 Depth : 18 - 24
 ID : CIV-320576-SOIL 3.4 RD

1:1 Soil pH	7.3
Soluble Salts 1:1, mmho/cm	0.25
Excess Lime Rating	LOW
Organic Matter LOI, %	1.0
Nitrate-N KCl, ppm N	8.5
Nitrate-N, lbs N / Acre	15
Phosphorus M3, ppm P	22
Potassium NH ₄ OAc, ppm K	299
Sulfate M-3, ppm S	18.3
Zinc DTPA, ppm Zn	0.98
Iron DTPA, ppm Fe	11.9
Manganese DTPA, ppm Mn	2.7
Copper DTPA, ppm Cu	0.43
Calcium NH ₄ OAc, ppm Ca	1207
Magnesium NH ₄ OAc, ppm Mg	216
Sodium NH ₄ OAc, ppm Na	56
Chloride Ca-NO ₃ , ppm Cl	14.2
Boron Hot Water, ppm B	0.20
Calcium Carbonate, %	0.1
Sum of Cations, % Saturation	
me/100g	H K Ca Mg Na
8.8	0 9 68 20 3
Saturated Soil Paste Analysis (SAR)	
Saturation, %	33
Sat Paste pH	6.8
Sat Paste ECe, mmho/cm	0.99
HCO ₃ , ppm	215
Cl, ppm	41
Ca, ppm	97
Mg, ppm	21
Na, ppm	57
S, ppm	43.9

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Results For : CIV
Location : SLB

Sodium Adsorption Ratio			1.4
Soil Texture	Sand, %	Silt, %	Clay, %
Sandy Loam	77	4	19

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Soil Analysis Report

**DANIELS, JUDY
SOIL SAGE LLC
8323 DEPEW WAY
ARVADA**

CO 80003

**Invoice No. : 1447921
Date Received : 06/06/2025
Date Reported : 06/10/2025**

Results For : CIV
Location : SLB

Lab No. : 59580 Depth : 0 - 6
ID : CIV-319798-SOIL 4.1

1:1 Soil pH	8.2
Soluble Salts 1:1, mmho/cm	0.36
Excess Lime Rating	HIGH
Organic Matter LOI, %	2.9
Nitrate-N KCl, ppm N	3.1
Nitrate-N, lbs N / Acre	6
Phosphorus M3, ppm P	138
Potassium NH ₄ OAc, ppm K	374
Sulfate M-3, ppm S	84.1
Zinc DTPA, ppm Zn	4.19
Iron DTPA, ppm Fe	12.9
Manganese DTPA, ppm Mn	2.0
Copper DTPA, ppm Cu	1.14
Calcium NH ₄ OAc, ppm Ca	5324
Magnesium NH ₄ OAc, ppm Mg	641
Sodium NH ₄ OAc, ppm Na	73
Chloride Ca-NO ₃ , ppm Cl	6.7
Boron Hot Water, ppm B	1.67
Calcium Carbonate, %	0.1

Sum of Cations, me/100g	% Saturation				
	H	K	Ca	Mg	Na
33.2	0	3	80	16	1

Saturated Soil Paste Analysis (SAR)

Saturation, %	47
Sat Paste pH	7.7
Sat Paste ECe, mmho/cm	0.83
HCO ₃ , ppm	165
Cl, ppm	9
Ca, ppm	88
Mg, ppm	29
Na, ppm	46
S, ppm	84.2

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Results For : CIV
Location : SLB

Sodium Adsorption Ratio			1.1
Soil Texture	Sand, %	Silt, %	Clay, %
Sandy Clay Loam	51	18	31

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Soil Analysis Report

**DANIELS, JUDY
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8323 DEPEW WAY
ARVADA**

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Results For : CIV
Location : SLB

Lab No. : 59581 Depth : 6 - 12
ID : CIV-319798-SOIL 4.2

1:1 Soil pH	7.7
Soluble Salts 1:1, mmho/cm	0.25
Excess Lime Rating	LOW
Organic Matter LOI, %	1.2
Nitrate-N KCl, ppm N	12.6
Nitrate-N, lbs N / Acre	23
Phosphorus M3, ppm P	55
Potassium NH ₄ OAc, ppm K	390
Sulfate M-3, ppm S	25.0
Zinc DTPA, ppm Zn	0.52
Iron DTPA, ppm Fe	9.7
Manganese DTPA, ppm Mn	1.5
Copper DTPA, ppm Cu	0.73
Calcium NH ₄ OAc, ppm Ca	1557
Magnesium NH ₄ OAc, ppm Mg	303
Sodium NH ₄ OAc, ppm Na	43
Chloride Ca-NO ₃ , ppm Cl	9.2
Boron Hot Water, ppm B	0.41
Calcium Carbonate, %	0.1

Sum of Cations, me/100g	% Saturation				
	H	K	Ca	Mg	Na
11.5	0	9	67	22	2

Saturated Soil Paste Analysis (SAR)

Saturation, %	39
Sat Paste pH	7.2
Sat Paste ECe, mmho/cm	0.80
HCO ₃ , ppm	134
Cl, ppm	14
Ca, ppm	74
Mg, ppm	19
Na, ppm	32
S, ppm	41.4

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Results For : CIV
Location : SLB

Sodium Adsorption Ratio			0.9
Soil Texture	Sand, %	Silt, %	Clay, %
Sandy Clay Loam	69	10	21

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ARVADA**

CO 80003

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Results For : CIV
Location : SLB

Lab No. : 59582 Depth : 12 - 18
ID : CIV-319798-SOIL 4.3

1:1 Soil pH	8.3
Soluble Salts 1:1, mmho/cm	0.20
Excess Lime Rating	HIGH
Organic Matter LOI, %	0.9
Nitrate-N KCl, ppm N	7.0
Nitrate-N, lbs N / Acre	13
Phosphorus M3, ppm P	28
Potassium NH ₄ OAc, ppm K	218
Sulfate M-3, ppm S	14.4
Zinc DTPA, ppm Zn	0.18
Iron DTPA, ppm Fe	7.4
Manganese DTPA, ppm Mn	0.6
Copper DTPA, ppm Cu	0.49
Calcium NH ₄ OAc, ppm Ca	4839
Magnesium NH ₄ OAc, ppm Mg	233
Sodium NH ₄ OAc, ppm Na	28
Chloride Ca-NO ₃ , ppm Cl	6.2
Boron Hot Water, ppm B	0.29
Calcium Carbonate, %	0.1
Sum of Cations, % Saturation	
me/100g H K Ca Mg Na	
26.8 0 2 90 7 0	
Saturated Soil Paste Analysis (SAR)	
Saturation, %	36
Sat Paste pH	7.7
Sat Paste ECe, mmho/cm	0.68
HCO ₃ , ppm	87
Cl, ppm	59
Ca, ppm	69
Mg, ppm	14
Na, ppm	23
S, ppm	13.1

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Results For : CIV
Location : SLB

Sodium Adsorption Ratio			0.7
Soil Texture	Sand, %	Silt, %	Clay, %
Sandy Loam	71	10	19

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Results For : CIV
 Location : SLB

Lab No. : 59583 Depth : 18 - 24
 ID : CIV-319798-SOIL 4.4

1:1 Soil pH	8.5
Soluble Salts 1:1, mmho/cm	0.18
Excess Lime Rating	HIGH
Organic Matter LOI, %	0.9
Nitrate-N KCl, ppm N	2.7
Nitrate-N, lbs N / Acre	5
Phosphorus M3, ppm P	23
Potassium NH ₄ OAc, ppm K	148
Sulfate M-3, ppm S	13.4
Zinc DTPA, ppm Zn	0.11
Iron DTPA, ppm Fe	2.6
Manganese DTPA, ppm Mn	0.2
Copper DTPA, ppm Cu	0.35
Calcium NH ₄ OAc, ppm Ca	5861
Magnesium NH ₄ OAc, ppm Mg	388
Sodium NH ₄ OAc, ppm Na	27
Chloride Ca-NO ₃ , ppm Cl	5.1
Boron Hot Water, ppm B	0.21
Calcium Carbonate, %	0.1
Sum of Cations, % Saturation	
me/100g H K Ca Mg Na	
33.0 0 1 89 10 0	
Saturated Soil Paste Analysis (SAR)	
Saturation, %	46
Sat Paste pH	8.0
Sat Paste ECe, mmho/cm	0.31
HCO ₃ , ppm	93
Cl, ppm	7
Ca, ppm	33
Mg, ppm	9
Na, ppm	14
S, ppm	11.7

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Results For : CIV
Location : SLB

Sodium Adsorption Ratio			0.5
Soil Texture	Sand, %	Silt, %	Clay, %
Sandy Clay Loam	69	8	23

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Results For : CIV
 Location : SLB

Lab No. : 59584 Depth : 0 - 6
 ID : CIV-319798-SOIL 5.1 REF

1:1 Soil pH	7.0
Soluble Salts 1:1, mmho/cm	0.08
Excess Lime Rating	NONE
Organic Matter LOI, %	0.9
Nitrate-N KCl, ppm N	1.2
Nitrate-N, lbs N / Acre	2
Phosphorus M3, ppm P	31
Potassium NH ₄ OAc, ppm K	254
Sulfate M-3, ppm S	4.3
Zinc DTPA, ppm Zn	0.40
Iron DTPA, ppm Fe	15.3
Manganese DTPA, ppm Mn	3.3
Copper DTPA, ppm Cu	0.48
Calcium NH ₄ OAc, ppm Ca	759
Magnesium NH ₄ OAc, ppm Mg	150
Sodium NH ₄ OAc, ppm Na	11
Chloride Ca-NO ₃ , ppm Cl	3.3
Boron Hot Water, ppm B	0.14
Calcium Carbonate, %	0.1
Sum of Cations, % Saturation	
me/100g H K Ca Mg Na	
5.7 0 11 66 22 1	
Saturated Soil Paste Analysis (SAR)	
Saturation, %	28
Sat Paste pH	6.7
Sat Paste ECe, mmho/cm	0.34
HCO ₃ , ppm	147
Cl, ppm	5
Ca, ppm	31
Mg, ppm	10
Na, ppm	4
S, ppm	3.6

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Results For : CIV
Location : SLB

Sodium Adsorption Ratio			0.1
Soil Texture	Sand, %	Silt, %	Clay, %
Sandy Loam	77	10	13

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Results For : CIV
 Location : SLB

Lab No. : 59585 Depth : 6 - 12
 ID : CIV-319798-SOIL 5.2 REF

1:1 Soil pH	7.4
Soluble Salts 1:1, mmho/cm	0.22
Excess Lime Rating	LOW
Organic Matter LOI, %	1.7
Nitrate-N KCl, ppm N	0.3
Nitrate-N, lbs N / Acre	0
Phosphorus M3, ppm P	8
Potassium NH ₄ OAc, ppm K	289
Sulfate M-3, ppm S	7.3
Zinc DTPA, ppm Zn	0.22
Iron DTPA, ppm Fe	8.4
Manganese DTPA, ppm Mn	1.7
Copper DTPA, ppm Cu	0.68
Calcium NH ₄ OAc, ppm Ca	1768
Magnesium NH ₄ OAc, ppm Mg	487
Sodium NH ₄ OAc, ppm Na	14
Chloride Ca-NO ₃ , ppm Cl	6.1
Boron Hot Water, ppm B	0.36
Calcium Carbonate, %	0.1
Sum of Cations, % Saturation	
me/100g	H K Ca Mg Na
13.7	0 5 65 30 0
Saturated Soil Paste Analysis (SAR)	
Saturation, %	52
Sat Paste pH	6.7
Sat Paste ECe, mmho/cm	0.27
HCO ₃ , ppm	58
Cl, ppm	19
Ca, ppm	26
Mg, ppm	9
Na, ppm	5
S, ppm	5.0

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Results For : CIV
Location : SLB

Sodium Adsorption Ratio			0.2
Soil Texture	Sand, %	Silt, %	Clay, %
Sandy Clay Loam	53	18	29

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Results For : CIV
Location : SLB

Lab No. : 59586 Depth : 12 - 18
ID : CIV-319798-SOIL 5.3 REF

1:1 Soil pH	7.8
Soluble Salts 1:1, mmho/cm	0.17
Excess Lime Rating	LOW
Organic Matter LOI, %	1.6
Nitrate-N KCl, ppm N	0.3
Nitrate-N, lbs N / Acre	1
Phosphorus M3, ppm P	13
Potassium NH ₄ OAc, ppm K	167
Sulfate M-3, ppm S	5.7
Zinc DTPA, ppm Zn	0.26
Iron DTPA, ppm Fe	5.2
Manganese DTPA, ppm Mn	0.6
Copper DTPA, ppm Cu	0.68
Calcium NH ₄ OAc, ppm Ca	1819
Magnesium NH ₄ OAc, ppm Mg	549
Sodium NH ₄ OAc, ppm Na	18
Chloride Ca-NO ₃ , ppm Cl	4.2
Boron Hot Water, ppm B	0.48
Calcium Carbonate, %	0.1
Sum of Cations, % Saturation	
me/100g H K Ca Mg Na	
14.2 0 3 64 32 1	
Saturated Soil Paste Analysis (SAR)	
Saturation, %	49
Sat Paste pH	7.2
Sat Paste ECe, mmho/cm	0.17
HCO ₃ , ppm	35
Cl, ppm	5
Ca, ppm	15
Mg, ppm	6
Na, ppm	5
S, ppm	3.8

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Results For : CIV
Location : SLB

Sodium Adsorption Ratio			0.3
Soil Texture	Sand, %	Silt, %	Clay, %
Sandy Clay Loam	50	25	25

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Results For : CIV
Location : SLB

Lab No. : 59587 Depth : 18 - 24
ID : CIV-319798-SOIL 5.4 REF

1:1 Soil pH	8.5
Soluble Salts 1:1, mmho/cm	0.23
Excess Lime Rating	HIGH
Organic Matter LOI, %	1.0
Nitrate-N KCl, ppm N	0.2
Nitrate-N, lbs N / Acre	0
Phosphorus M3, ppm P	16
Potassium NH ₄ OAc, ppm K	126
Sulfate M-3, ppm S	11.5
Zinc DTPA, ppm Zn	0.12
Iron DTPA, ppm Fe	2.9
Manganese DTPA, ppm Mn	0.3
Copper DTPA, ppm Cu	0.51
Calcium NH ₄ OAc, ppm Ca	5797
Magnesium NH ₄ OAc, ppm Mg	525
Sodium NH ₄ OAc, ppm Na	19
Chloride Ca-NO ₃ , ppm Cl	3.3
Boron Hot Water, ppm B	0.42
Calcium Carbonate, %	0.1
Sum of Cations, % Saturation	
me/100g H K Ca Mg Na	
33.8 0 1 86 13 0	
Saturated Soil Paste Analysis (SAR)	
Saturation, %	34
Sat Paste pH	8.0
Sat Paste ECe, mmho/cm	0.24
HCO ₃ , ppm	93
Cl, ppm	6
Ca, ppm	25
Mg, ppm	10
Na, ppm	9
S, ppm	5.5

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Sodium Adsorption Ratio			0.4
Soil Texture	Sand, %	Silt, %	Clay, %
Sandy Clay Loam	60	17	23

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Results For : CIV
Location : SLB

Lab No. : 59588 Depth : 0 - 6
ID : CIV-320548-SOIL 6.1

1:1 Soil pH	7.8
Soluble Salts 1:1, mmho/cm	0.14
Excess Lime Rating	LOW
Organic Matter LOI, %	0.9
Nitrate-N KCl, ppm N	5.4
Nitrate-N, lbs N / Acre	10
Phosphorus M3, ppm P	65
Potassium NH ₄ OAc, ppm K	409
Sulfate M-3, ppm S	5.3
Zinc DTPA, ppm Zn	0.40
Iron DTPA, ppm Fe	6.4
Manganese DTPA, ppm Mn	1.9
Copper DTPA, ppm Cu	0.44
Calcium NH ₄ OAc, ppm Ca	789
Magnesium NH ₄ OAc, ppm Mg	120
Sodium NH ₄ OAc, ppm Na	8
Chloride Ca-NO ₃ , ppm Cl	3.1
Boron Hot Water, ppm B	0.24
Calcium Carbonate, %	0.0

Sum of Cations, me/100g	% Saturation				
	H	K	Ca	Mg	Na
6.0	0	17	65	17	1

Saturated Soil Paste Analysis (SAR)

Saturation, %	53
Sat Paste pH	7.3
Sat Paste ECe, mmho/cm	0.39
HCO ₃ , ppm	130
Cl, ppm	5
Ca, ppm	25
Mg, ppm	6
Na, ppm	2
S, ppm	2.7

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Results For : CIV
Location : SLB

Sodium Adsorption Ratio			0.1
Soil Texture	Sand, %	Silt, %	Clay, %
Sandy Loam	78	9	13

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Results For : CIV
Location : SLB

Lab No. : 59589 Depth : 6 - 12
ID : CIV-320548-SOIL 6.2

1:1 Soil pH	7.5
Soluble Salts 1:1, mmho/cm	0.09
Excess Lime Rating	LOW
Organic Matter LOI, %	0.8
Nitrate-N KCl, ppm N	6.0
Nitrate-N, lbs N / Acre	11
Phosphorus M3, ppm P	50
Potassium NH ₄ OAc, ppm K	318
Sulfate M-3, ppm S	4.5
Zinc DTPA, ppm Zn	0.16
Iron DTPA, ppm Fe	4.8
Manganese DTPA, ppm Mn	1.8
Copper DTPA, ppm Cu	0.36
Calcium NH ₄ OAc, ppm Ca	816
Magnesium NH ₄ OAc, ppm Mg	124
Sodium NH ₄ OAc, ppm Na	7
Chloride Ca-NO ₃ , ppm Cl	2.4
Boron Hot Water, ppm B	0.21
Calcium Carbonate, %	0.0

Sum of Cations, me/100g	% Saturation				
	H	K	Ca	Mg	Na
6.0	0	14	68	17	1

Saturated Soil Paste Analysis (SAR)

Saturation, %	32
Sat Paste pH	6.7
Sat Paste ECe, mmho/cm	0.30
HCO ₃ , ppm	23
Cl, ppm	4
Ca, ppm	22
Mg, ppm	6
Na, ppm	2
S, ppm	3.9

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Results For : CIV
Location : SLB

Sodium Adsorption Ratio			0.1
Soil Texture	Sand, %	Silt, %	Clay, %
Sandy Loam	80	7	13

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Results For : CIV
Location : SLB

Lab No. : 59590 Depth : 12 - 18
ID : CIV-320548-SOIL 6.3

1:1 Soil pH	7.6
Soluble Salts 1:1, mmho/cm	0.13
Excess Lime Rating	LOW
Organic Matter LOI, %	0.9
Nitrate-N KCl, ppm N	7.8
Nitrate-N, lbs N / Acre	14
Phosphorus M3, ppm P	70
Potassium NH ₄ OAc, ppm K	314
Sulfate M-3, ppm S	5.2
Zinc DTPA, ppm Zn	0.12
Iron DTPA, ppm Fe	4.5
Manganese DTPA, ppm Mn	1.2
Copper DTPA, ppm Cu	0.35
Calcium NH ₄ OAc, ppm Ca	1086
Magnesium NH ₄ OAc, ppm Mg	140
Sodium NH ₄ OAc, ppm Na	9
Chloride Ca-NO ₃ , ppm Cl	2.8
Boron Hot Water, ppm B	0.29
Calcium Carbonate, %	0.0
Sum of Cations,	% Saturation
me/100g	H K Ca Mg Na
7.4	0 11 73 16 0
Saturated Soil Paste Analysis (SAR)	
Saturation, %	34
Sat Paste pH	6.9
Sat Paste ECe, mmho/cm	0.49
HCO ₃ , ppm	13
Cl, ppm	33
Ca, ppm	47
Mg, ppm	9
Na, ppm	2
S, ppm	4.7

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Results For : CIV
Location : SLB

Sodium Adsorption Ratio			0.1
Soil Texture	Sand, %	Silt, %	Clay, %
Sandy Loam	76	9	15

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Results For : CIV
 Location : SLB

Lab No. : 59591 Depth : 18 - 24
 ID : CIV-320548-SOIL 6.4

1:1 Soil pH	7.5
Soluble Salts 1:1, mmho/cm	0.18
Excess Lime Rating	LOW
Organic Matter LOI, %	1.1
Nitrate-N KCl, ppm N	11.0
Nitrate-N, lbs N / Acre	20
Phosphorus M3, ppm P	73
Potassium NH ₄ OAc, ppm K	331
Sulfate M-3, ppm S	6.7
Zinc DTPA, ppm Zn	0.31
Iron DTPA, ppm Fe	6.4
Manganese DTPA, ppm Mn	0.9
Copper DTPA, ppm Cu	0.33
Calcium NH ₄ OAc, ppm Ca	1566
Magnesium NH ₄ OAc, ppm Mg	219
Sodium NH ₄ OAc, ppm Na	12
Chloride Ca-NO ₃ , ppm Cl	6.7
Boron Hot Water, ppm B	0.57
Calcium Carbonate, %	0.0
Sum of Cations, % Saturation	
me/100g H K Ca Mg Na	
10.6 0 8 74 17 0	
Saturated Soil Paste Analysis (SAR)	
Saturation, %	32
Sat Paste pH	6.9
Sat Paste ECe, mmho/cm	0.49
HCO ₃ , ppm	23
Cl, ppm	17
Ca, ppm	56
Mg, ppm	11
Na, ppm	4
S, ppm	4.7

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Account No. : 19356

Soil Analysis Report

DANIELS, JUDY
SOIL SAGE LLC
8323 DEPEW WAY
ARVADA CO 80003

Invoice No. : 1447921
Date Received : 06/06/2025
Date Reported : 06/10/2025

Results For : CIV
Location : SLB

Sodium Adsorption Ratio				0.1
Soil Texture	Sand, %	Silt, %	Clay, %	
Sandy Clay Loam	64	15	21	

Account No. : 19356

Soil Analysis Report

DANIELS, JUDY
SOIL SAGE LLC
8323 DEPEW WAY
ARVADA

CO 80003

Invoice No. : 1447921
 Date Received : 06/06/2025
 Date Reported : 06/10/2025

Results For : CIV
 Location : SLB

Lab No. : 59592 Depth : 0 - 6
 ID : CIV-320548-SOIL 7.1 REF

1:1 Soil pH	7.7
Soluble Salts 1:1, mmho/cm	0.11
Excess Lime Rating	LOW
Organic Matter LOI, %	1.3
Nitrate-N KCl, ppm N	3.3
Nitrate-N, lbs N / Acre	6
Phosphorus M3, ppm P	49
Potassium NH ₄ OAc, ppm K	333
Sulfate M-3, ppm S	5.3
Zinc DTPA, ppm Zn	1.11
Iron DTPA, ppm Fe	8.5
Manganese DTPA, ppm Mn	2.5
Copper DTPA, ppm Cu	0.32
Calcium NH ₄ OAc, ppm Ca	773
Magnesium NH ₄ OAc, ppm Mg	128
Sodium NH ₄ OAc, ppm Na	11
Chloride Ca-NO ₃ , ppm Cl	3.9
Boron Hot Water, ppm B	0.24
Calcium Carbonate, %	0.0
Sum of Cations, % Saturation	
me/100g	H K Ca Mg Na
5.8	0 15 66 18 1
Saturated Soil Paste Analysis (SAR)	
Saturation, %	39
Sat Paste pH	7.2
Sat Paste ECe, mmho/cm	0.28
HCO ₃ , ppm	82
Cl, ppm	6
Ca, ppm	20
Mg, ppm	6
Na, ppm	1
S, ppm	2.8

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Soil Analysis Report

DANIELS, JUDY
SOIL SAGE LLC
8323 DEPEW WAY
ARVADA CO 80003

Invoice No. : 1447921
Date Received : 06/06/2025
Date Reported : 06/10/2025

Results For : CIV
Location : SLB

Sodium Adsorption Ratio			0.1
Soil Texture	Sand, %	Silt, %	Clay, %
Sandy Loam	78	11	11

Account No. : 19356

Soil Analysis Report

**DANIELS, JUDY
SOIL SAGE LLC
8323 DEPEW WAY
ARVADA**

CO 80003

**Invoice No. : 1447921
Date Received : 06/06/2025
Date Reported : 06/10/2025**

Results For : CIV
Location : SLB

Lab No. : 59593 Depth : 6 - 12
ID : CIV-320548-SOIL 7.2 REF

1:1 Soil pH	7.2
Soluble Salts 1:1, mmho/cm	0.10
Excess Lime Rating	LOW
Organic Matter LOI, %	0.8
Nitrate-N KCl, ppm N	1.3
Nitrate-N, lbs N / Acre	2
Phosphorus M3, ppm P	47
Potassium NH ₄ OAc, ppm K	384
Sulfate M-3, ppm S	5.1
Zinc DTPA, ppm Zn	0.28
Iron DTPA, ppm Fe	13.7
Manganese DTPA, ppm Mn	2.7
Copper DTPA, ppm Cu	0.48
Calcium NH ₄ OAc, ppm Ca	594
Magnesium NH ₄ OAc, ppm Mg	97
Sodium NH ₄ OAc, ppm Na	12
Chloride Ca-NO ₃ , ppm Cl	4.9
Boron Hot Water, ppm B	0.18
Calcium Carbonate, %	0.0
Sum of Cations, % Saturation	
me/100g H K Ca Mg Na	
4.8 0 20 62 17 1	
Saturated Soil Paste Analysis (SAR)	
Saturation, %	40
Sat Paste pH	6.4
Sat Paste ECe, mmho/cm	0.18
HCO ₃ , ppm	26
Cl, ppm	5
Ca, ppm	7
Mg, ppm	2
Na, ppm	3
S, ppm	3.7

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DANIELS, JUDY
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8323 DEPEW WAY
ARVADA CO 80003

Invoice No. : 1447921
Date Received : 06/06/2025
Date Reported : 06/10/2025

Results For : CIV
Location : SLB

Sodium Adsorption Ratio			0.2
Soil Texture	Sand, %	Silt, %	Clay, %
Loamy Sand	82	7	11

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Soil Analysis Report

DANIELS, JUDY
SOIL SAGE LLC
8323 DEPEW WAY
ARVADA

CO 80003

Invoice No. : 1447921
 Date Received : 06/06/2025
 Date Reported : 06/10/2025

Results For : CIV
 Location : SLB

Lab No. : 59594 Depth : 12 - 18
 ID : CIV-320548-SOIL 7.3 REF

1:1 Soil pH	6.8
Soluble Salts 1:1, mmho/cm	0.06
Excess Lime Rating	NONE
Organic Matter LOI, %	0.8
Nitrate-N KCl, ppm N	1.5
Nitrate-N, lbs N / Acre	3
Phosphorus M3, ppm P	57
Potassium NH ₄ OAc, ppm K	320
Sulfate M-3, ppm S	4.4
Zinc DTPA, ppm Zn	0.22
Iron DTPA, ppm Fe	15.0
Manganese DTPA, ppm Mn	2.1
Copper DTPA, ppm Cu	0.47
Calcium NH ₄ OAc, ppm Ca	726
Magnesium NH ₄ OAc, ppm Mg	119
Sodium NH ₄ OAc, ppm Na	9
Chloride Ca-NO ₃ , ppm Cl	4.1
Boron Hot Water, ppm B	0.16
Calcium Carbonate, %	0.1
Sum of Cations,	% Saturation
me/100g	H K Ca Mg Na
5.5	0 15 66 18 1
Saturated Soil Paste Analysis (SAR)	
Saturation, %	41
Sat Paste pH	6.0
Sat Paste ECe, mmho/cm	0.16
HCO ₃ , ppm	40
Cl, ppm	2
Ca, ppm	8
Mg, ppm	3
Na, ppm	3
S, ppm	2.0

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DANIELS, JUDY
SOIL SAGE LLC
8323 DEPEW WAY
ARVADA CO 80003

Invoice No. : 1447921
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Date Reported : 06/10/2025

Results For : CIV
Location : SLB

Sodium Adsorption Ratio			0.2
Soil Texture	Sand, %	Silt, %	Clay, %
Sandy Loam	76	9	15

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Soil Analysis Report

**DANIELS, JUDY
SOIL SAGE LLC
8323 DEPEW WAY
ARVADA**

CO 80003

**Invoice No. : 1447921
Date Received : 06/06/2025
Date Reported : 06/10/2025**

Results For : CIV
Location : SLB

Lab No. : 59595 Depth : 18 - 24
ID : CIV-320548-SOIL 7.4 REF

1:1 Soil pH	7.1
Soluble Salts 1:1, mmho/cm	0.13
Excess Lime Rating	LOW
Organic Matter LOI, %	1.1
Nitrate-N KCl, ppm N	2.5
Nitrate-N, lbs N / Acre	5
Phosphorus M3, ppm P	51
Potassium NH ₄ OAc, ppm K	301
Sulfate M-3, ppm S	4.3
Zinc DTPA, ppm Zn	0.26
Iron DTPA, ppm Fe	13.4
Manganese DTPA, ppm Mn	1.5
Copper DTPA, ppm Cu	0.37
Calcium NH ₄ OAc, ppm Ca	1383
Magnesium NH ₄ OAc, ppm Mg	285
Sodium NH ₄ OAc, ppm Na	9
Chloride Ca-NO ₃ , ppm Cl	4.4
Boron Hot Water, ppm B	0.28
Calcium Carbonate, %	0.0
Sum of Cations, % Saturation	
me/100g H K Ca Mg Na	
10.1 0 8 68 23 0	
Saturated Soil Paste Analysis (SAR)	
Saturation, %	39
Sat Paste pH	6.3
Sat Paste ECe, mmho/cm	0.18
HCO ₃ , ppm	27
Cl, ppm	5
Ca, ppm	17
Mg, ppm	5
Na, ppm	3
S, ppm	3.6

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8323 DEPEW WAY
ARVADA CO 80003

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Date Reported : 06/10/2025

Results For : CIV
Location : SLB

Sodium Adsorption Ratio			0.1
Soil Texture	Sand, %	Silt, %	Clay, %
Sandy Clay Loam	72	5	23

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Soil Analysis Report

DANIELS, JUDY
SOIL SAGE LLC
8323 DEPEW WAY
ARVADA

CO 80003

Invoice No. : 1447921
Date Received : 06/06/2025
Date Reported : 06/10/2025

Results For : CIV
 Location : SLB

Lab No. : 59596 Depth : 0 - 6
 ID : CIV-319795-SOIL 8.1

1:1 Soil pH	8.0
Soluble Salts 1:1, mmho/cm	0.19
Excess Lime Rating	LOW
Organic Matter LOI, %	1.8
Nitrate-N KCl, ppm N	3.3
Nitrate-N, lbs N / Acre	6
Phosphorus M3, ppm P	195
Potassium NH ₄ OAc, ppm K	336
Sulfate M-3, ppm S	9.9
Zinc DTPA, ppm Zn	2.41
Iron DTPA, ppm Fe	11.1
Manganese DTPA, ppm Mn	1.6
Copper DTPA, ppm Cu	1.25
Calcium NH ₄ OAc, ppm Ca	1670
Magnesium NH ₄ OAc, ppm Mg	221
Sodium NH ₄ OAc, ppm Na	12
Chloride Ca-NO ₃ , ppm Cl	4.5
Boron Hot Water, ppm B	0.65
Calcium Carbonate, %	0.2

Sum of Cations, me/100g	% Saturation				
	H	K	Ca	Mg	Na
11.1	0	8	75	17	0

Saturated Soil Paste Analysis (SAR)

Saturation, %	44
Sat Paste pH	7.6
Sat Paste ECe, mmho/cm	0.35
HCO ₃ , ppm	176
Cl, ppm	6
Ca, ppm	40
Mg, ppm	9
Na, ppm	6
S, ppm	4.6

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Results For : CIV
Location : SLB

Sodium Adsorption Ratio			0.2
Soil Texture	Sand, %	Silt, %	Clay, %
Sandy Loam	74	9	17

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Soil Analysis Report

**DANIELS, JUDY
SOIL SAGE LLC
8323 DEPEW WAY
ARVADA**

CO 80003

**Invoice No. : 1447921
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Date Reported : 06/10/2025**

Results For : CIV
Location : SLB

Lab No. : 59597 Depth : 6 - 12
ID : CIV-319795-SOIL 8.2

1:1 Soil pH	7.7
Soluble Salts 1:1, mmho/cm	0.15
Excess Lime Rating	LOW
Organic Matter LOI, %	1.0
Nitrate-N KCl, ppm N	1.3
Nitrate-N, lbs N / Acre	2
Phosphorus M3, ppm P	10
Potassium NH ₄ OAc, ppm K	149
Sulfate M-3, ppm S	4.7
Zinc DTPA, ppm Zn	0.21
Iron DTPA, ppm Fe	5.7
Manganese DTPA, ppm Mn	1.1
Copper DTPA, ppm Cu	0.33
Calcium NH ₄ OAc, ppm Ca	1243
Magnesium NH ₄ OAc, ppm Mg	197
Sodium NH ₄ OAc, ppm Na	13
Chloride Ca-NO ₃ , ppm Cl	7.7
Boron Hot Water, ppm B	0.27
Calcium Carbonate, %	0.0

Sum of Cations, me/100g	% Saturation				
	H	K	Ca	Mg	Na
8.3	0	5	74	20	1

Saturated Soil Paste Analysis (SAR)

Saturation, %	50
Sat Paste pH	7.1
Sat Paste ECe, mmho/cm	0.17
HCO ₃ , ppm	38
Cl, ppm	10
Ca, ppm	19
Mg, ppm	5
Na, ppm	5
S, ppm	3.5

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DANIELS, JUDY
SOIL SAGE LLC
8323 DEPEW WAY
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Date Reported : 06/10/2025

Results For : CIV
Location : SLB

Sodium Adsorption Ratio			0.3
Soil Texture	Sand, %	Silt, %	Clay, %
Sandy Loam	78	5	17

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Soil Analysis Report

**DANIELS, JUDY
SOIL SAGE LLC
8323 DEPEW WAY
ARVADA**

CO 80003

**Invoice No. : 1447921
Date Received : 06/06/2025
Date Reported : 06/10/2025**

Results For : CIV
Location : SLB

Lab No. : 59598 Depth : 12 - 18
ID : CIV-319795-SOIL 8.3

1:1 Soil pH	7.5
Soluble Salts 1:1, mmho/cm	0.07
Excess Lime Rating	LOW
Organic Matter LOI, %	0.6
Nitrate-N KCl, ppm N	1.5
Nitrate-N, lbs N / Acre	3
Phosphorus M3, ppm P	26
Potassium NH ₄ OAc, ppm K	122
Sulfate M-3, ppm S	2.8
Zinc DTPA, ppm Zn	0.21
Iron DTPA, ppm Fe	4.3
Manganese DTPA, ppm Mn	1.3
Copper DTPA, ppm Cu	0.32
Calcium NH ₄ OAc, ppm Ca	875
Magnesium NH ₄ OAc, ppm Mg	132
Sodium NH ₄ OAc, ppm Na	11
Chloride Ca-NO ₃ , ppm Cl	9.8
Boron Hot Water, ppm B	0.17
Calcium Carbonate, %	0.0
Sum of Cations,	% Saturation
me/100g	H K Ca Mg Na
5.8	0 5 75 19 1
Saturated Soil Paste Analysis (SAR)	
Saturation, %	40
Sat Paste pH	7.1
Sat Paste ECe, mmho/cm	0.18
HCO ₃ , ppm	23
Cl, ppm	17
Ca, ppm	18
Mg, ppm	5
Na, ppm	4
S, ppm	2.9

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DANIELS, JUDY
SOIL SAGE LLC
8323 DEPEW WAY
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Results For : CIV
Location : SLB

Sodium Adsorption Ratio			0.2
Soil Texture	Sand, %	Silt, %	Clay, %
Loamy Sand	84	3	13

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Soil Analysis Report

DANIELS, JUDY
SOIL SAGE LLC
8323 DEPEW WAY
ARVADA

CO 80003

Invoice No. : 1447921
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Date Reported : 06/10/2025

Results For : CIV
 Location : SLB

Lab No. : 59599 Depth : 18 - 24
 ID : CIV-319795-SOIL 8.4

1:1 Soil pH	7.3
Soluble Salts 1:1, mmho/cm	0.06
Excess Lime Rating	NONE
Organic Matter LOI, %	0.6
Nitrate-N KCl, ppm N	1.2
Nitrate-N, lbs N / Acre	2
Phosphorus M3, ppm P	27
Potassium NH ₄ OAc, ppm K	112
Sulfate M-3, ppm S	3.2
Zinc DTPA, ppm Zn	0.21
Iron DTPA, ppm Fe	3.7
Manganese DTPA, ppm Mn	1.0
Copper DTPA, ppm Cu	0.28
Calcium NH ₄ OAc, ppm Ca	766
Magnesium NH ₄ OAc, ppm Mg	108
Sodium NH ₄ OAc, ppm Na	9
Chloride Ca-NO ₃ , ppm Cl	13.5
Boron Hot Water, ppm B	0.12
Calcium Carbonate, %	0.0
Sum of Cations, % Saturation	
me/100g H K Ca Mg Na	
5.1 0 6 75 18 1	
Saturated Soil Paste Analysis (SAR)	
Saturation, %	38
Sat Paste pH	7.1
Sat Paste ECe, mmho/cm	0.21
HCO ₃ , ppm	0
Cl, ppm	25
Ca, ppm	22
Mg, ppm	5
Na, ppm	3
S, ppm	2.3

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DANIELS, JUDY
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Results For : CIV
Location : SLB

Sodium Adsorption Ratio			0.2
Soil Texture	Sand, %	Silt, %	Clay, %
Loamy Sand	84	5	11

Account No. : 19356

Soil Analysis Report

**DANIELS, JUDY
SOIL SAGE LLC
8323 DEPEW WAY
ARVADA**

CO 80003

**Invoice No. : 1447921
Date Received : 06/06/2025
Date Reported : 06/10/2025**

Results For : CIV
Location : SLB

Lab No. : 59600 Depth : 0 - 6
ID : CIV-319795-SOIL 9.1 REF

1:1 Soil pH	7.8
Soluble Salts 1:1, mmho/cm	0.06
Excess Lime Rating	LOW
Organic Matter LOI, %	0.7
Nitrate-N KCl, ppm N	1.3
Nitrate-N, lbs N / Acre	2
Phosphorus M3, ppm P	34
Potassium NH ₄ OAc, ppm K	285
Sulfate M-3, ppm S	2.9
Zinc DTPA, ppm Zn	0.64
Iron DTPA, ppm Fe	6.0
Manganese DTPA, ppm Mn	2.3
Copper DTPA, ppm Cu	0.31
Calcium NH ₄ OAc, ppm Ca	634
Magnesium NH ₄ OAc, ppm Mg	100
Sodium NH ₄ OAc, ppm Na	8
Chloride Ca-NO ₃ , ppm Cl	5.1
Boron Hot Water, ppm B	0.22
Calcium Carbonate, %	0.0

Sum of Cations, me/100g	% Saturation				
	H	K	Ca	Mg	Na
4.8	0	15	67	17	1

Saturated Soil Paste Analysis (SAR)

Saturation, %	38
Sat Paste pH	7.4
Sat Paste ECe, mmho/cm	0.23
HCO ₃ , ppm	72
Cl, ppm	16
Ca, ppm	17
Mg, ppm	5
Na, ppm	2
S, ppm	1.9

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DANIELS, JUDY
SOIL SAGE LLC
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Date Reported : 06/10/2025

Results For : CIV
Location : SLB

Sodium Adsorption Ratio			0.1
Soil Texture	Sand, %	Silt, %	Clay, %
Sandy Loam	78	11	11

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Soil Analysis Report

**DANIELS, JUDY
SOIL SAGE LLC
8323 DEPEW WAY
ARVADA**

CO 80003

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Results For : CIV
Location : SLB

Lab No. : 59601 Depth : 6 - 12
ID : CIV-319795-SOIL 9.2 REF

1:1 Soil pH	7.9
Soluble Salts 1:1, mmho/cm	0.07
Excess Lime Rating	LOW
Organic Matter LOI, %	0.7
Nitrate-N KCl, ppm N	1.1
Nitrate-N, lbs N / Acre	2
Phosphorus M3, ppm P	33
Potassium NH ₄ OAc, ppm K	357
Sulfate M-3, ppm S	2.3
Zinc DTPA, ppm Zn	0.50
Iron DTPA, ppm Fe	6.2
Manganese DTPA, ppm Mn	2.1
Copper DTPA, ppm Cu	0.42
Calcium NH ₄ OAc, ppm Ca	711
Magnesium NH ₄ OAc, ppm Mg	118
Sodium NH ₄ OAc, ppm Na	8
Chloride Ca-NO ₃ , ppm Cl	4.0
Boron Hot Water, ppm B	0.22
Calcium Carbonate, %	0.0
Sum of Cations,	% Saturation
me/100g	H K Ca Mg Na
5.5	0 17 64 18 1
Saturated Soil Paste Analysis (SAR)	
Saturation, %	37
Sat Paste pH	7.4
Sat Paste ECe, mmho/cm	0.19
HCO ₃ , ppm	68
Cl, ppm	4
Ca, ppm	12
Mg, ppm	4
Na, ppm	2
S, ppm	1.7

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Results For : CIV
Location : SLB

Sodium Adsorption Ratio			0.1
Soil Texture	Sand, %	Silt, %	Clay, %
Loamy Sand	84	5	11

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Soil Analysis Report

**DANIELS, JUDY
SOIL SAGE LLC
8323 DEPEW WAY
ARVADA**

CO 80003

**Invoice No. : 1447921
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Results For : CIV
Location : SLB

Lab No. : 59602 Depth : 12 - 18
ID : CIV-319795-SOIL 9.3 REF

1:1 Soil pH	7.6
Soluble Salts 1:1, mmho/cm	0.06
Excess Lime Rating	LOW
Organic Matter LOI, %	0.5
Nitrate-N KCl, ppm N	0.6
Nitrate-N, lbs N / Acre	1
Phosphorus M3, ppm P	26
Potassium NH ₄ OAc, ppm K	197
Sulfate M-3, ppm S	1.8
Zinc DTPA, ppm Zn	0.37
Iron DTPA, ppm Fe	5.9
Manganese DTPA, ppm Mn	2.3
Copper DTPA, ppm Cu	0.29
Calcium NH ₄ OAc, ppm Ca	486
Magnesium NH ₄ OAc, ppm Mg	68
Sodium NH ₄ OAc, ppm Na	10
Chloride Ca-NO ₃ , ppm Cl	3.7
Boron Hot Water, ppm B	0.12
Calcium Carbonate, %	0.0
Sum of Cations, % Saturation	
me/100g H K Ca Mg Na	
3.5 0 14 68 16 1	
Saturated Soil Paste Analysis (SAR)	
Saturation, %	34
Sat Paste pH	7.2
Sat Paste ECe, mmho/cm	0.13
HCO ₃ , ppm	25
Cl, ppm	4
Ca, ppm	7
Mg, ppm	2
Na, ppm	1
S, ppm	0.7

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Results For : CIV
Location : SLB

Sodium Adsorption Ratio			0.1
Soil Texture	Sand, %	Silt, %	Clay, %
Loamy Sand	88	3	9

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Soil Analysis Report

DANIELS, JUDY
SOIL SAGE LLC
8323 DEPEW WAY
ARVADA

CO 80003

Invoice No. : 1447921
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Results For : CIV
 Location : SLB

Lab No. : 59603 Depth : 18 - 24
 ID : CIV-319795-SOIL 9.4 REF

1:1 Soil pH	7.6
Soluble Salts 1:1, mmho/cm	0.05
Excess Lime Rating	LOW
Organic Matter LOI, %	0.5
Nitrate-N KCl, ppm N	0.7
Nitrate-N, lbs N / Acre	1
Phosphorus M3, ppm P	22
Potassium NH ₄ OAc, ppm K	206
Sulfate M-3, ppm S	2.6
Zinc DTPA, ppm Zn	0.35
Iron DTPA, ppm Fe	6.0
Manganese DTPA, ppm Mn	1.9
Copper DTPA, ppm Cu	0.24
Calcium NH ₄ OAc, ppm Ca	571
Magnesium NH ₄ OAc, ppm Mg	74
Sodium NH ₄ OAc, ppm Na	10
Chloride Ca-NO ₃ , ppm Cl	3.7
Boron Hot Water, ppm B	0.12
Calcium Carbonate, %	0.0
Sum of Cations, % Saturation	
me/100g H K Ca Mg Na	
4.0 0 13 71 15 1	
Saturated Soil Paste Analysis (SAR)	
Saturation, %	35
Sat Paste pH	7.1
Sat Paste ECe, mmho/cm	0.13
HCO ₃ , ppm	46
Cl, ppm	7
Ca, ppm	12
Mg, ppm	3
Na, ppm	4
S, ppm	0.9

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Soil Analysis Report

DANIELS, JUDY
SOIL SAGE LLC
8323 DEPEW WAY
ARVADA CO 80003

Invoice No. : 1447921
Date Received : 06/06/2025
Date Reported : 06/10/2025

Results For : CIV
Location : SLB

Sodium Adsorption Ratio			0.3
Soil Texture	Sand, %	Silt, %	Clay, %
Loamy Sand	84	5	11

Account No. : 19356

Soil Analysis Report

DANIELS, JUDY
SOIL SAGE LLC
8323 DEPEW WAY
ARVADA

CO 80003

Invoice No. : 1447921
 Date Received : 06/06/2025
 Date Reported : 06/10/2025

Results For : CIV
 Location : SLB

Lab No. : 59604 Depth : 0 - 6
 ID : CIV-319803-SOIL 10.1

1:1 Soil pH	7.8
Soluble Salts 1:1, mmho/cm	0.59
Excess Lime Rating	HIGH
Organic Matter LOI, %	3.0
Nitrate-N KCl, ppm N	9.6
Nitrate-N, lbs N / Acre	17
Phosphorus M3, ppm P	140
Potassium NH ₄ OAc, ppm K	424
Sulfate M-3, ppm S	152.6
Zinc DTPA, ppm Zn	4.37
Iron DTPA, ppm Fe	13.3
Manganese DTPA, ppm Mn	2.6
Copper DTPA, ppm Cu	0.89
Calcium NH ₄ OAc, ppm Ca	4710
Magnesium NH ₄ OAc, ppm Mg	586
Sodium NH ₄ OAc, ppm Na	57
Chloride Ca-NO ₃ , ppm Cl	8.0
Boron Hot Water, ppm B	1.76
Calcium Carbonate, %	0.0

Sum of Cations, me/100g	% Saturation				
	H	K	Ca	Mg	Na
29.8	0	4	79	16	1

Saturated Soil Paste Analysis (SAR)

Saturation, %	48
Sat Paste pH	7.6
Sat Paste ECe, mmho/cm	1.62
HCO ₃ , ppm	205
Cl, ppm	9
Ca, ppm	199
Mg, ppm	77
Na, ppm	50
S, ppm	247.3

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Date Reported : 06/10/2025

Results For : CIV
Location : SLB

Sodium Adsorption Ratio			0.8
Soil Texture	Sand, %	Silt, %	Clay, %
Sandy Clay Loam	60	13	27

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Soil Analysis Report

**DANIELS, JUDY
SOIL SAGE LLC
8323 DEPEW WAY
ARVADA**

CO 80003

**Invoice No. : 1447921
Date Received : 06/06/2025
Date Reported : 06/10/2025**

Results For : CIV
Location : SLB

Lab No. : 59605 Depth : 6 - 12
ID : CIV-319803-SOIL 10.2

1:1 Soil pH	7.6
Soluble Salts 1:1, mmho/cm	0.13
Excess Lime Rating	LOW
Organic Matter LOI, %	0.9
Nitrate-N KCl, ppm N	3.8
Nitrate-N, lbs N / Acre	7
Phosphorus M3, ppm P	49
Potassium NH ₄ OAc, ppm K	227
Sulfate M-3, ppm S	13.5
Zinc DTPA, ppm Zn	0.81
Iron DTPA, ppm Fe	7.6
Manganese DTPA, ppm Mn	2.2
Copper DTPA, ppm Cu	0.51
Calcium NH ₄ OAc, ppm Ca	678
Magnesium NH ₄ OAc, ppm Mg	101
Sodium NH ₄ OAc, ppm Na	30
Chloride Ca-NO ₃ , ppm Cl	5.1
Boron Hot Water, ppm B	0.25
Calcium Carbonate, %	1.4
Sum of Cations, % Saturation	
me/100g H K Ca Mg Na	
5.0 0 12 68 17 3	
Saturated Soil Paste Analysis (SAR)	
Saturation, %	45
Sat Paste pH	7.3
Sat Paste ECe, mmho/cm	0.43
HCO ₃ , ppm	133
Cl, ppm	5
Ca, ppm	33
Mg, ppm	8
Na, ppm	27
S, ppm	17.6

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Results For : CIV
Location : SLB

Sodium Adsorption Ratio			1.1
Soil Texture	Sand, %	Silt, %	Clay, %
Loamy Sand	84	5	11

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Soil Analysis Report

**DANIELS, JUDY
SOIL SAGE LLC
8323 DEPEW WAY
ARVADA**

CO 80003

**Invoice No. : 1447921
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Date Reported : 06/10/2025**

Results For : CIV
Location : SLB

Lab No. : 59606 Depth : 12 - 18
ID : CIV-319803-SOIL 10.3

1:1 Soil pH	7.5
Soluble Salts 1:1, mmho/cm	0.17
Excess Lime Rating	LOW
Organic Matter LOI, %	0.7
Nitrate-N KCl, ppm N	4.6
Nitrate-N, lbs N / Acre	8
Phosphorus M3, ppm P	46
Potassium NH ₄ OAc, ppm K	218
Sulfate M-3, ppm S	14.5
Zinc DTPA, ppm Zn	0.29
Iron DTPA, ppm Fe	5.3
Manganese DTPA, ppm Mn	1.6
Copper DTPA, ppm Cu	0.31
Calcium NH ₄ OAc, ppm Ca	768
Magnesium NH ₄ OAc, ppm Mg	123
Sodium NH ₄ OAc, ppm Na	24
Chloride Ca-NO ₃ , ppm Cl	5.6
Boron Hot Water, ppm B	0.20
Calcium Carbonate, %	0.0
Sum of Cations, % Saturation	
me/100g H K Ca Mg Na	
5.5 0 10 69 19 2	
Saturated Soil Paste Analysis (SAR)	
Saturation, %	40
Sat Paste pH	7.2
Sat Paste ECe, mmho/cm	0.51
HCO ₃ , ppm	132
Cl, ppm	7
Ca, ppm	48
Mg, ppm	11
Na, ppm	22
S, ppm	26.3

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Results For : CIV
Location : SLB

Sodium Adsorption Ratio			0.7
Soil Texture	Sand, %	Silt, %	Clay, %
Sandy Loam	82	5	13

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Soil Analysis Report

**DANIELS, JUDY
SOIL SAGE LLC
8323 DEPEW WAY
ARVADA**

CO 80003

**Invoice No. : 1447921
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Date Reported : 06/10/2025**

Results For : CIV
Location : SLB

Lab No. : 59607 Depth : 18 - 24
ID : CIV-319803-SOIL 10.4

1:1 Soil pH	7.1
Soluble Salts 1:1, mmho/cm	0.21
Excess Lime Rating	LOW
Organic Matter LOI, %	0.8
Nitrate-N KCl, ppm N	12.3
Nitrate-N, lbs N / Acre	22
Phosphorus M3, ppm P	36
Potassium NH ₄ OAc, ppm K	268
Sulfate M-3, ppm S	21.2
Zinc DTPA, ppm Zn	0.18
Iron DTPA, ppm Fe	5.6
Manganese DTPA, ppm Mn	1.2
Copper DTPA, ppm Cu	0.32
Calcium NH ₄ OAc, ppm Ca	1065
Magnesium NH ₄ OAc, ppm Mg	176
Sodium NH ₄ OAc, ppm Na	11
Chloride Ca-NO ₃ , ppm Cl	12.4
Boron Hot Water, ppm B	0.20
Calcium Carbonate, %	0.1
Sum of Cations, % Saturation	
me/100g H K Ca Mg Na	
7.5 0 9 71 19 1	
Saturated Soil Paste Analysis (SAR)	
Saturation, %	33
Sat Paste pH	6.9
Sat Paste ECe, mmho/cm	0.89
HCO ₃ , ppm	87
Cl, ppm	25
Ca, ppm	114
Mg, ppm	24
Na, ppm	6
S, ppm	59.5

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Date Reported : 06/10/2025

Results For : CIV
Location : SLB

Sodium Adsorption Ratio			0.1
Soil Texture	Sand, %	Silt, %	Clay, %
Sandy Loam	80	5	15

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**DANIELS, JUDY
SOIL SAGE LLC
8323 DEPEW WAY
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CO 80003

**Invoice No. : 1447921
Date Received : 06/06/2025
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Results For : CIV
Location : SLB

Lab No. : 59608 Depth : 0 - 6
ID : CIV-319803-SOIL 11.1 REF

1:1 Soil pH	7.4
Soluble Salts 1:1, mmho/cm	0.09
Excess Lime Rating	LOW
Organic Matter LOI, %	1.0
Nitrate-N KCl, ppm N	3.5
Nitrate-N, lbs N / Acre	6
Phosphorus M3, ppm P	29
Potassium NH ₄ OAc, ppm K	282
Sulfate M-3, ppm S	4.2
Zinc DTPA, ppm Zn	0.76
Iron DTPA, ppm Fe	8.2
Manganese DTPA, ppm Mn	2.3
Copper DTPA, ppm Cu	0.29
Calcium NH ₄ OAc, ppm Ca	629
Magnesium NH ₄ OAc, ppm Mg	82
Sodium NH ₄ OAc, ppm Na	8
Chloride Ca-NO ₃ , ppm Cl	5.2
Boron Hot Water, ppm B	0.20
Calcium Carbonate, %	0.0
Sum of Cations, % Saturation	
me/100g H K Ca Mg Na	
4.6 0 16 68 15 1	
Saturated Soil Paste Analysis (SAR)	
Saturation, %	33
Sat Paste pH	7.0
Sat Paste ECe, mmho/cm	0.26
HCO ₃ , ppm	88
Cl, ppm	9
Ca, ppm	17
Mg, ppm	5
Na, ppm	4
S, ppm	3.9

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Results For : CIV
Location : SLB

Sodium Adsorption Ratio			0.2
Soil Texture	Sand, %	Silt, %	Clay, %
Sandy Loam	80	9	11

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SOIL SAGE LLC
8323 DEPEW WAY
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CO 80003

Invoice No. : 1447921
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Results For : CIV
 Location : SLB

Lab No. : 59609 Depth : 6 - 12
 ID : CIV-319803-SOIL 11.2 REF

1:1 Soil pH	7.8
Soluble Salts 1:1, mmho/cm	0.08
Excess Lime Rating	LOW
Organic Matter LOI, %	0.5
Nitrate-N KCl, ppm N	3.6
Nitrate-N, lbs N / Acre	6
Phosphorus M3, ppm P	30
Potassium NH ₄ OAc, ppm K	365
Sulfate M-3, ppm S	3.4
Zinc DTPA, ppm Zn	0.22
Iron DTPA, ppm Fe	5.4
Manganese DTPA, ppm Mn	1.9
Copper DTPA, ppm Cu	0.36
Calcium NH ₄ OAc, ppm Ca	689
Magnesium NH ₄ OAc, ppm Mg	121
Sodium NH ₄ OAc, ppm Na	7
Chloride Ca-NO ₃ , ppm Cl	4.6
Boron Hot Water, ppm B	0.21
Calcium Carbonate, %	0.0
Sum of Cations,	% Saturation
me/100g	H K Ca Mg Na
5.4	0 17 63 19 1
Saturated Soil Paste Analysis (SAR)	
Saturation, %	37
Sat Paste pH	7.2
Sat Paste ECe, mmho/cm	0.21
HCO ₃ , ppm	30
Cl, ppm	6
Ca, ppm	12
Mg, ppm	4
Na, ppm	3
S, ppm	4.6

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Results For : CIV
Location : SLB

Sodium Adsorption Ratio			0.2
Soil Texture	Sand, %	Silt, %	Clay, %
Sandy Loam	78	9	13

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Soil Analysis Report

DANIELS, JUDY
SOIL SAGE LLC
8323 DEPEW WAY
ARVADA

CO 80003

Invoice No. : 1447921
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Results For : CIV
 Location : SLB

Lab No. : 59610 Depth : 12 - 18
 ID : CIV-319803-SOIL 11.3 REF

1:1 Soil pH	7.6
Soluble Salts 1:1, mmho/cm	0.09
Excess Lime Rating	LOW
Organic Matter LOI, %	0.9
Nitrate-N KCl, ppm N	2.5
Nitrate-N, lbs N / Acre	5
Phosphorus M3, ppm P	21
Potassium NH ₄ OAc, ppm K	597
Sulfate M-3, ppm S	3.8
Zinc DTPA, ppm Zn	0.14
Iron DTPA, ppm Fe	6.6
Manganese DTPA, ppm Mn	1.2
Copper DTPA, ppm Cu	0.36
Calcium NH ₄ OAc, ppm Ca	1108
Magnesium NH ₄ OAc, ppm Mg	185
Sodium NH ₄ OAc, ppm Na	10
Chloride Ca-NO ₃ , ppm Cl	3.9
Boron Hot Water, ppm B	0.31
Calcium Carbonate, %	0.0
Sum of Cations,	% Saturation
me/100g	H K Ca Mg Na
8.7	0 18 64 18 0
Saturated Soil Paste Analysis (SAR)	
Saturation, %	58
Sat Paste pH	7.1
Sat Paste ECe, mmho/cm	0.15
HCO ₃ , ppm	45
Cl, ppm	6
Ca, ppm	8
Mg, ppm	3
Na, ppm	3
S, ppm	2.0

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SOIL SAGE LLC
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Results For : CIV
Location : SLB

Sodium Adsorption Ratio			0.2
Soil Texture	Sand, %	Silt, %	Clay, %
Sandy Loam	78	3	19

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Soil Analysis Report

**DANIELS, JUDY
SOIL SAGE LLC
8323 DEPEW WAY
ARVADA**

CO 80003

**Invoice No. : 1447921
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Date Reported : 06/10/2025**

Results For : CIV
Location : SLB

Lab No. : 59611 Depth : 18 - 24
ID : CIV-319803-SOIL 11.4 REF

1:1 Soil pH	7.6
Soluble Salts 1:1, mmho/cm	0.12
Excess Lime Rating	LOW
Organic Matter LOI, %	1.1
Nitrate-N KCl, ppm N	1.1
Nitrate-N, lbs N / Acre	2
Phosphorus M3, ppm P	11
Potassium NH ₄ OAc, ppm K	607
Sulfate M-3, ppm S	4.7
Zinc DTPA, ppm Zn	0.15
Iron DTPA, ppm Fe	6.9
Manganese DTPA, ppm Mn	0.9
Copper DTPA, ppm Cu	0.36
Calcium NH ₄ OAc, ppm Ca	1443
Magnesium NH ₄ OAc, ppm Mg	254
Sodium NH ₄ OAc, ppm Na	13
Chloride Ca-NO ₃ , ppm Cl	4.8
Boron Hot Water, ppm B	0.38
Calcium Carbonate, %	0.1
Sum of Cations, % Saturation	
me/100g H K Ca Mg Na	
10.9 0 14 66 19 1	
Saturated Soil Paste Analysis (SAR)	
Saturation, %	42
Sat Paste pH	6.9
Sat Paste ECe, mmho/cm	0.16
HCO ₃ , ppm	45
Cl, ppm	5
Ca, ppm	10
Mg, ppm	3
Na, ppm	2
S, ppm	4.4

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Results For : CIV
Location : SLB

Sodium Adsorption Ratio			0.2
Soil Texture	Sand, %	Silt, %	Clay, %
Sandy Loam	76	5	19

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DANIELS, JUDY
SOIL SAGE LLC
8323 DEPEW WAY
ARVADA

CO 80003

Invoice No. : 1447921
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Results For : CIV
 Location : SLB

Lab No. : 59612 Depth : 0 - 6
 ID : CIV-319803-SOIL 12.1 RD

1:1 Soil pH	7.8
Soluble Salts 1:1, mmho/cm	0.75
Excess Lime Rating	HIGH
Organic Matter LOI, %	2.6
Nitrate-N KCl, ppm N	31.0
Nitrate-N, lbs N / Acre	56
Phosphorus M3, ppm P	126
Potassium NH ₄ OAc, ppm K	442
Sulfate M-3, ppm S	57.4
Zinc DTPA, ppm Zn	3.58
Iron DTPA, ppm Fe	11.2
Manganese DTPA, ppm Mn	2.5
Copper DTPA, ppm Cu	0.86
Calcium NH ₄ OAc, ppm Ca	4867
Magnesium NH ₄ OAc, ppm Mg	562
Sodium NH ₄ OAc, ppm Na	81
Chloride Ca-NO ₃ , ppm Cl	28.1
Boron Hot Water, ppm B	1.37
Calcium Carbonate, %	0.1
Sum of Cations, % Saturation	
me/100g H K Ca Mg Na	
30.5 0 4 80 15 1	
Saturated Soil Paste Analysis (SAR)	
Saturation, %	45
Sat Paste pH	7.6
Sat Paste ECe, mmho/cm	1.39
HCO ₃ , ppm	169
Cl, ppm	44
Ca, ppm	138
Mg, ppm	46
Na, ppm	63
S, ppm	79.8

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Results For : CIV
Location : SLB

Sodium Adsorption Ratio			1.2
Soil Texture	Sand, %	Silt, %	Clay, %
Sandy Clay Loam	60	15	25

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DANIELS, JUDY
SOIL SAGE LLC
8323 DEPEW WAY
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Results For : CIV
 Location : SLB

Lab No. : 59613 Depth : 6 - 12
 ID : CIV-319803-SOIL 12.2 RD

1:1 Soil pH	7.1
Soluble Salts 1:1, mmho/cm	0.40
Excess Lime Rating	LOW
Organic Matter LOI, %	0.8
Nitrate-N KCl, ppm N	33.1
Nitrate-N, lbs N / Acre	60
Phosphorus M3, ppm P	51
Potassium NH ₄ OAc, ppm K	291
Sulfate M-3, ppm S	35.1
Zinc DTPA, ppm Zn	0.48
Iron DTPA, ppm Fe	8.7
Manganese DTPA, ppm Mn	2.0
Copper DTPA, ppm Cu	0.68
Calcium NH ₄ OAc, ppm Ca	1156
Magnesium NH ₄ OAc, ppm Mg	192
Sodium NH ₄ OAc, ppm Na	23
Chloride Ca-NO ₃ , ppm Cl	39.3
Boron Hot Water, ppm B	0.24
Calcium Carbonate, %	0.0

Sum of Cations, me/100g	% Saturation				
	H	K	Ca	Mg	Na
8.2	0	9	70	19	1

Saturated Soil Paste Analysis (SAR)

Saturation, %	32
Sat Paste pH	7.0
Sat Paste ECe, mmho/cm	1.56
HCO ₃ , ppm	91
Cl, ppm	83
Ca, ppm	193
Mg, ppm	43
Na, ppm	22
S, ppm	76.9

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Results For : CIV
Location : SLB

Sodium Adsorption Ratio			0.4
Soil Texture	Sand, %	Silt, %	Clay, %
Sandy Loam	74	9	17

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**DANIELS, JUDY
SOIL SAGE LLC
8323 DEPEW WAY
ARVADA**

CO 80003

**Invoice No. : 1447921
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Results For : CIV
Location : SLB

Lab No. : 59614 Depth : 12 - 18
ID : CIV-319803-SOIL 12.3 RD

1:1 Soil pH	7.2
Soluble Salts 1:1, mmho/cm	0.27
Excess Lime Rating	LOW
Organic Matter LOI, %	1.3
Nitrate-N KCl, ppm N	7.7
Nitrate-N, lbs N / Acre	14
Phosphorus M3, ppm P	28
Potassium NH ₄ OAc, ppm K	355
Sulfate M-3, ppm S	4.2
Zinc DTPA, ppm Zn	0.16
Iron DTPA, ppm Fe	10.5
Manganese DTPA, ppm Mn	1.1
Copper DTPA, ppm Cu	0.59
Calcium NH ₄ OAc, ppm Ca	1927
Magnesium NH ₄ OAc, ppm Mg	469
Sodium NH ₄ OAc, ppm Na	20
Chloride Ca-NO ₃ , ppm Cl	16.9
Boron Hot Water, ppm B	0.31
Calcium Carbonate, %	0.0
Sum of Cations, % Saturation	
me/100g H K Ca Mg Na	
14.5 0 6 66 27 1	
Saturated Soil Paste Analysis (SAR)	
Saturation, %	43
Sat Paste pH	6.9
Sat Paste ECe, mmho/cm	0.42
HCO ₃ , ppm	32
Cl, ppm	27
Ca, ppm	38
Mg, ppm	12
Na, ppm	7
S, ppm	6.0

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Results For : CIV
Location : SLB

Sodium Adsorption Ratio			0.3
Soil Texture	Sand, %	Silt, %	Clay, %
Sandy Clay Loam	56	19	25

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SOIL SAGE LLC
8323 DEPEW WAY
ARVADA

CO 80003

Invoice No. : 1447921
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Results For : CIV
 Location : SLB

Lab No. : 59615 Depth : 18 - 24
 ID : CIV-319803-SOIL 12.4 RD

1:1 Soil pH	7.4
Soluble Salts 1:1, mmho/cm	0.30
Excess Lime Rating	NONE
Organic Matter LOI, %	1.4
Nitrate-N KCl, ppm N	3.1
Nitrate-N, lbs N / Acre	6
Phosphorus M3, ppm P	56
Potassium NH ₄ OAc, ppm K	274
Sulfate M-3, ppm S	4.2
Zinc DTPA, ppm Zn	0.22
Iron DTPA, ppm Fe	8.6
Manganese DTPA, ppm Mn	0.8
Copper DTPA, ppm Cu	0.60
Calcium NH ₄ OAc, ppm Ca	1980
Magnesium NH ₄ OAc, ppm Mg	512
Sodium NH ₄ OAc, ppm Na	21
Chloride Ca-NO ₃ , ppm Cl	9.8
Boron Hot Water, ppm B	0.28
Calcium Carbonate, %	0.1
Sum of Cations, % Saturation	
me/100g H K Ca Mg Na	
15.0 0 5 65 29 1	
Saturated Soil Paste Analysis (SAR)	
Saturation, %	42
Sat Paste pH	7.2
Sat Paste ECe, mmho/cm	0.40
HCO ₃ , ppm	174
Cl, ppm	8
Ca, ppm	45
Mg, ppm	15
Na, ppm	7
S, ppm	6.7

Reviewed By : Nick Ward

7/11/2025

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Account No. : 19356

Soil Analysis Report

DANIELS, JUDY
SOIL SAGE LLC
8323 DEPEW WAY
ARVADA CO 80003

Invoice No. : 1447921
Date Received : 06/06/2025
Date Reported : 06/10/2025

Results For : CIV
Location : SLB

Sodium Adsorption Ratio			0.2
Soil Texture	Sand, %	Silt, %	Clay, %
Sandy Clay Loam	50	25	25
