



## Chemical Properties of the Soils

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Map symbol and soil name	Depth	Cation exchange capacity	Effective cation exchange capacity	Soil reaction	Calcium carbon- ate	Gypsum	Salinity	Sodium adsorp- tion ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
<b>AoE2:</b>								
Anones-----	0-6	---	25-28	5.1-5.5	0	0	0	0
	6-13	---	25-29	5.1-5.5	0	0	0	0
	13-27	---	20-25	5.1-5.5	0	0	0	0
	27-40	---	---	---	---	---	---	---
<b>AoF2:</b>								
Anones-----	0-6	---	25-28	5.1-5.5	0	0	0	0
	6-13	---	25-29	5.1-5.5	0	0	0	0
	13-27	---	20-25	5.1-5.5	0	0	0	0
	27-40	---	---	---	---	---	---	---
<b>Ba:</b>								
Bajura-----	0-6	30-40	---	5.6-6.5	0	0	0	0
	6-54	25-35	---	5.6-6.5	0	0	0	0
<b>BcB:</b>								
Bejucos-----	0-9	---	1.0-2.0	4.5-5.0	0	0	0	0
	9-13	---	1.0-3.0	4.5-5.0	0	0	0	0
	13-18	---	2.0-5.0	4.5-5.0	0	0	0	0
	18-37	---	2.0-4.0	4.5-5.0	0	0	0	0
	37-60	---	5.0-7.0	4.5-5.0	0	0	0	0
<b>BeB:</b>								
Bejucos-----	0-9	---	1.0-2.0	4.5-5.0	0	0	0	0
	9-13	---	1.0-3.0	4.5-5.0	0	0	0	0
	13-18	---	2.0-5.0	4.5-5.0	0	0	0	0
	18-37	---	2.0-4.0	4.5-5.0	0	0	0	0
	37-60	---	5.0-7.0	4.5-5.0	0	0	0	0

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	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
<b>CaC:</b>								
Cabo Rojo-----	0-8	---	20-25	5.1-5.5	0	0	0	0
	8-26	---	13-26	5.1-5.5	0	0	0	0
	26-60	---	13-20	5.1-5.5	0	0	0	0
<b>CaC2:</b>								
Cabo Rojo-----	0-5	---	20-25	5.1-5.5	0	0	0	0
	5-23	---	13-26	5.1-5.5	0	0	0	0
	23-60	---	13-20	5.1-5.5	0	0	0	0
<b>CbF2:</b>								
Caguabo-----	0-4	25-40	---	6.1-6.5	0	0	0	0
	4-10	25-40	---	6.1-6.5	0	0	0	0
	10-16	---	---	---	---	---	---	---
	16-20	---	---	---	---	---	---	---
<b>CcB:</b>								
Camaguey-----	0-14	40-60	---	7.4-8.4	0	0	0	0
	14-60	40-60	---	7.9-8.4	0	0	0	0
<b>Cd:</b>								
Catano-----	0-4	0.0-10	---	7.9-8.4	10-50	0	0	0
	4-60	0.0-10	---	7.9-8.4	10-50	0	0	0
<b>Ce:</b>								
Catano-----	0-6	5.0-10	---	7.9-8.4	10-50	0	0	0
	6-60	0.0-10	---	7.9-8.4	10-50	0	0	0

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	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
<b>CfC2:</b>								
Cidral-----	0-8	---	2.0-3.0	4.5-5.0	0	0	0	0
	8-40	---	2.0-3.0	4.5-5.0	0	0	0	0
	40-75	---	2.0-3.0	4.5-5.0	0	0	0	0
<b>Ch:</b>								
Coastal Beach-----	0-6	---	---	5.1-7.8	0	0	4.0-32.0	0
	6-80	---	---	5.1-7.8	0	0	4.0-32.0	0
<b>ClD:</b>								
Colinas-----	0-8	25-37	---	7.9-8.4	40-70	0	0	0
	8-20	2.0-19	---	7.9-8.4	70-90	0	0	0
	20-60	---	---	---	0	0	0	0
<b>ClE:</b>								
Colinas-----	0-6	25-37	---	7.9-8.4	40-70	0	0	0
	6-20	2.0-19	---	7.9-8.4	70-90	0	0	0
	20-60	---	---	---	0	0	0	0
<b>ClF2:</b>								
Colinas-----	0-6	25-37	---	7.9-8.4	40-70	0	0	0
	6-20	2.0-19	---	7.9-8.4	70-90	0	0	0
	20-60	---	---	---	0	0	0	0
<b>CmD:</b>								
Colinas-----	0-6	25-37	---	7.9-8.4	40-70	0	0	0
	6-20	2.0-19	---	7.9-8.4	70-90	0	0	0
	20-60	---	---	---	0	0	0	0



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	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
CuB2:								
Coto-----	0-7	---	5.0-11	5.1-5.5	0	0	0	0
	7-51	---	2.0-8.0	4.5-5.5	0	0	0	0
CuC2:								
Coto-----	0-7	---	5.0-11	5.1-5.5	0	0	0	0
	7-60	---	2.0-8.0	4.5-5.5	0	0	0	0
CvB:								
Coto-----	0-8	---	5.0-11	5.1-5.5	0	0	0	0
	8-60	---	2.0-8.0	4.5-5.5	0	0	0	0
CwF:								
Cuchillas-----	0-5	---	4.0-7.0	4.5-5.0	0	0	0	0
	5-15	---	2.0-4.0	4.5-5.0	0	0	0	0
	15-26	---	---	---	---	---	---	---
	26-40	---	---	---	---	---	---	---
DaD2:								
Daguey-----	0-6	---	5.0-20	4.5-5.5	0	0	0	0
	6-38	---	6.0-23	4.5-5.5	0	0	0	0
	38-60	---	7.0-12	4.5-5.5	0	0	0	0
DaE2:								
Daguey-----	0-6	---	5.0-20	4.5-5.5	0	0	0	0
	6-38	---	6.0-23	4.5-5.5	0	0	0	0
	38-60	---	7.0-12	4.5-5.5	0	0	0	0

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Map symbol and soil name	Depth	Cation exchange capacity	Effective cation exchange capacity	Soil reaction	Calcium carbon- ate	Gypsum	Salinity	Sodium adsorp- tion ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
DcD2:								
Delicias-----	0-6	---	2.0-14	5.1-5.5	0	0	0	0
	6-60	---	2.0-10	5.1-5.5	0	0	0	0
DeC:								
Descalabrado-----	0-7	30-50	---	6.6-7.3	0-2	0	0	0
	7-20	20-50	---	6.6-7.3	0-2	0	0	0
	20-24	---	---	---	---	---	---	---
DeD:								
Descalabrado-----	0-7	30-50	---	6.6-7.3	0-2	0	0	0
	7-20	20-50	---	6.6-7.3	0-2	0	0	0
	20-24	---	---	---	---	---	---	---
DeF:								
Descalabrado-----	0-7	30-50	---	6.6-7.3	0-2	0	0	0
	7-20	20-50	---	6.6-7.3	0-2	0	0	0
	20-24	---	---	---	---	---	---	---
Du:								
Dique-----	0-6	25-38	---	5.6-6.0	0	0	0	0
	6-36	20-25	---	5.6-6.0	0	0	0	0
	36-60	15-20	---	5.6-6.0	0	0	0	0
Es:								
Esperial-----	0-12	5.0-9.0	---	5.6-6.0	0-10	0	0	0
	12-19	1.0-2.0	---	5.6-6.0	0-10	0	0	0
	19-60	1.0-2.0	---	7.9-8.4	10-15	0	0	0

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	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
GnC:								
Guanajibo-----	0-10	---	4.0-5.0	4.5-5.0	0	0	0	0
	10-17	---	4.0-5.0	4.5-5.0	0	0	0	0
	17-23	---	4.0-5.0	4.5-5.0	0	0	0	0
	23-37	---	4.0-5.0	4.5-5.0	0	0	0	0
	37-60	---	4.0-5.0	4.5-5.0	0	0	0	0
GoC:								
Guanajibo-----	0-10	---	5.0-7.0	4.5-5.0	0	0	0	0
	10-17	---	4.0-5.0	4.5-5.0	0	0	0	0
	17-23	---	4.0-5.0	4.5-5.0	0	0	0	0
	23-37	---	4.0-5.0	4.5-5.0	0	0	0	0
	37-60	---	4.0-5.0	4.5-5.0	0	0	0	0
GPQ:								
Gravel, Pits And Quarries-----	---	---	---	---	---	---	---	---
GuB:								
Guerrero-----	0-10	1.0-2.0	---	5.6-6.0	0	0	0	0
	10-22	0.0-2.0	---	5.6-6.0	0	0	0	0
	22-28	0.0-1.0	---	5.6-6.0	0	0	0	0
	28-36	---	1.0-6.0	5.1-5.5	0	0	0	0
	36-70	---	5.0-8.0	4.5-5.5	0	0	0	0
HmD2:								
Humatas-----	0-8	---	9.0-17	4.5-5.5	0	0	0	0
	8-28	---	3.0-14	4.5-5.5	0	0	0	0
	28-60	---	3.0-17	4.5-5.5	0	0	0	0





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	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
Le: Leveled Clayey Land--	---	---	---	---	---	---	---	---
Lf: Leveled Land-----	---	---	---	---	---	---	---	---
LFD: Landfill-----	---	---	---	---	---	---	---	---
Lm: Leveled Sandy Land---	---	---	---	---	---	---	---	---
Lo: Limestone Outcrop----	0-60	---	---	---	---	---	---	---
Lr: Limestone Rock Land--	0-60	---	---	---	---	---	---	---
LuD2: Los Guineos-----	0-7	---	12-23	3.5-5.0	0	0	0	0
	7-60	---	3.0-6.0	3.5-5.0	0	0	0	0
LuF2: Los Guineos-----	0-5	---	12-23	3.5-5.0	0	0	0	0
	5-60	---	3.0-6.0	3.5-5.0	0	0	0	0

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	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
MaB:								
Mabi-----	0-9	25-35	---	4.5-6.5	0	0	0	0
	9-24	35-42	---	4.5-6.5	0	0	0	0
	24-60	30-41	---	6.6-8.4	0	0	0	0
MaC2:								
Mabi-----	0-7	25-35	---	4.5-6.5	0	0	0	0
	7-24	35-42	---	4.5-6.5	0	0	0	0
	24-60	30-41	---	6.6-8.4	0	0	0	0
McF2:								
Malaya-----	0-6	20-30	---	5.6-6.5	0	0	0	0
	6-12	18-28	---	6.6-8.4	0	0	0	0
	12-16	18-26	---	6.6-8.4	0	0	0	0
	16-20	---	---	---	---	---	---	---
MdB:								
Maleza-----	0-10	1.0-2.0	---	6.1-6.5	0	0	0	0
	10-17	1.0-3.0	---	6.1-6.5	0	0	0	0
	17-60	2.0-5.0	---	5.1-6.5	0	0	0	0
Mh:								
Mani-----	0-8	20-23	---	5.6-6.5	0	0	0	0
	8-60	19-25	---	5.6-6.5	0	0	0	0
Mn:								
Mani-----	0-8	20-23	---	5.6-6.5	0	0	0	0
	8-60	19-25	---	5.6-6.5	0	0	0	0



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	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
<b>MtB:</b>								
Matanzas-----	0-14	12-21	---	5.6-7.3	0	0	0	0
	14-44	7.0-10	---	5.6-7.3	0	0	0	0
	44-48	---	---	---	---	---	---	---
Limestone Rockland---	0-60	---	---	---	---	---	---	---
<b>MuC2:</b>								
Moca-----	0-6	---	12-22	4.5-5.0	0	0	0	0
	6-32	---	12-20	4.5-5.0	0	0	0	0
	32-60	---	12-20	4.5-5.0	0	0	0	0
<b>MuD2:</b>								
Moca-----	0-6	---	12-22	4.5-5.0	0	0	0	0
	6-32	---	12-20	4.5-5.0	0	0	0	0
	32-60	---	12-20	4.5-5.0	0	0	0	0
<b>MuD3:</b>								
Moca-----	0-6	---	12-22	4.5-5.0	0	0	0	0
	6-26	---	12-20	4.5-5.0	0	0	0	0
	26-60	---	12-20	4.5-5.0	0	0	0	0
<b>MuE3:</b>								
Moca-----	0-6	---	12-22	4.5-5.0	0	0	0	0
	6-26	---	12-20	4.5-5.0	0	0	0	0
	26-60	---	12-20	4.5-5.0	0	0	0	0





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	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
NaD:								
Naranja-----	0-9	15-25	---	7.9-8.4	25-40	0	0	0
	9-25	15-25	---	7.9-8.4	40-50	0	0	0
	25-60	15-25	---	7.9-8.4	40-60	0	0	0
NcD2:								
Nipe-----	0-11	---	0.0-8.0	4.5-5.5	0	0	0	0
	11-80	---	0.0-6.0	4.5-5.5	0	0	0	0
PaC2:								
Palmarejo-----	0-5	---	10-35	3.5-5.0	0-1	0	0.0-2.0	0-2
	5-27	---	15-25	3.5-5.0	0-2	0	0.0-2.0	0-2
	27-37	---	20-45	3.5-5.0	0-2	0	0.0-2.0	0-2
	37-60	---	15-35	3.5-5.0	0-2	0	0.0-2.0	0-2
PeD2:								
Perchas-----	0-5	---	18-29	4.5-5.0	0	0	0	0
	5-60	---	7.0-18	4.5-5.0	0	0	0	0
PlE2:								
Plata-----	0-11	---	30-40	5.1-5.5	0	0	0	0
	11-50	---	30-40	5.1-5.5	0	0	0	0
PlF2:								
Plata-----	0-11	---	30-40	5.1-5.5	0	0	0	0
	11-50	---	30-40	5.1-5.5	0	0	0	0

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	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
QuD2:								
Quebrada-----	0-8	27-38	---	5.6-6.5	0	0	0	0
	8-16	25-30	---	6.6-7.3	0	0	0	0
	16-60	15-20	---	6.6-7.3	0	0	0	0
QuE2:								
Quebrada-----	0-8	27-38	---	5.6-6.5	0	0	0	0
	8-14	25-30	---	6.6-7.3	0	0	0	0
	14-80	15-20	---	6.6-7.3	0	0	0	0
QuF2:								
Quebrada-----	0-5	27-38	---	5.6-6.5	0	0	0	0
	5-11	25-30	---	6.6-7.3	0	0	0	0
	11-60	15-20	---	6.6-7.3	0	0	0	0
Re:								
Reilly-----	0-9	20-25	---	5.6-6.5	0	0	0	0
	9-18	1.0-10	---	5.6-6.5	0	0	0	0
	18-60	1.0-10	---	5.6-6.5	0	0	0	0

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	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
R1B:								
Rio Lajas-----	0-8	1.0-3.0	---	6.1-6.5	0	0	0	0
	8-33	1.0-3.0	---	6.1-6.5	0	0	0	0
	33-60	2.0-11	---	6.1-6.5	0	0	0	0
RpC2:								
Rio Piedras-----	0-7	---	28-32	3.5-5.5	0	0	0	0
	7-27	---	24-30	3.5-5.5	0	0	0	0
	27-60	---	24-30	3.5-5.5	0	0	0	0
	60-64	---	---	---	0	0	0	0
RpD2:								
Rio Piedras-----	0-7	---	28-32	3.5-5.5	0	0	0	0
	7-27	---	24-30	3.5-5.5	0	0	0	0
	27-60	---	24-30	3.5-5.5	0	0	0	0
	60-64	---	---	---	0	0	0	0
Rr:								
Riverwash-----	---	---	---	---	---	---	---	---
RSD2:								
Rosario-----	0-6	---	10-16	4.5-5.5	0	0	0	0
	6-26	---	3.0-10	4.5-5.5	0	0	0	0
	26-30	---	---	---	0	0	0	0
RsE2:								
Rosario-----	0-6	---	10-16	4.5-5.5	0	0	0	0
	6-26	---	3.0-10	4.5-5.5	0	0	0	0
	26-30	---	---	---	0	0	0	0









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	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
<b>TcE2:</b>								
Tanama-----	0-4	25-40	---	6.1-6.5	0	0	0	0
	4-16	25-40	---	6.1-6.5	0	0	0	0
	16-20	---	---	---	---	---	---	---
<b>Td:</b>								
Tidal Swamp-----	0-60	---	---	6.1-7.8	---	---	16.0-32.0	---
<b>ToA:</b>								
Toa-----	0-10	23-27	---	5.1-7.3	0	0	0	0
	10-22	23-27	---	5.1-7.3	0	0	0	0
	22-60	20-30	---	6.6-7.8	0	0	0	0
<b>Ts:</b>								
Toa-----	0-10	23-27	---	5.1-7.3	0	0	0	0
	10-25	21-27	---	5.1-7.3	0	0	0	0
	25-60	20-30	---	6.6-7.8	0	0	0	0
<b>VoD2:</b>								
Voladora-----	0-8	---	19-24	3.5-4.4	0	0	0	0
	8-16	---	19-30	3.5-5.5	0	0	0	0
	16-26	---	19-30	3.5-4.4	0	0	0	0
	26-48	---	19-24	3.5-5.5	0	0	0	0
<b>VoE2:</b>								
Voladora-----	0-8	---	19-24	3.5-4.4	0	0	0	0
	8-16	---	19-30	3.5-5.5	0	0	0	0
	16-26	---	19-30	3.5-4.4	0	0	0	0
	26-48	---	19-24	3.5-5.5	0	0	0	0

