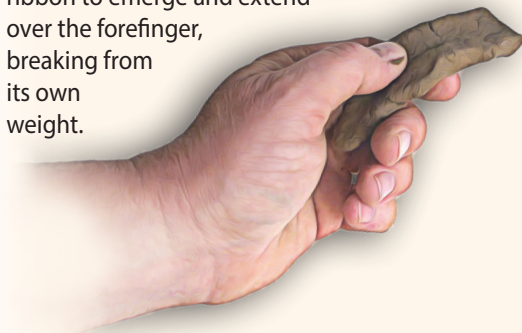


Soil Texture by Feel

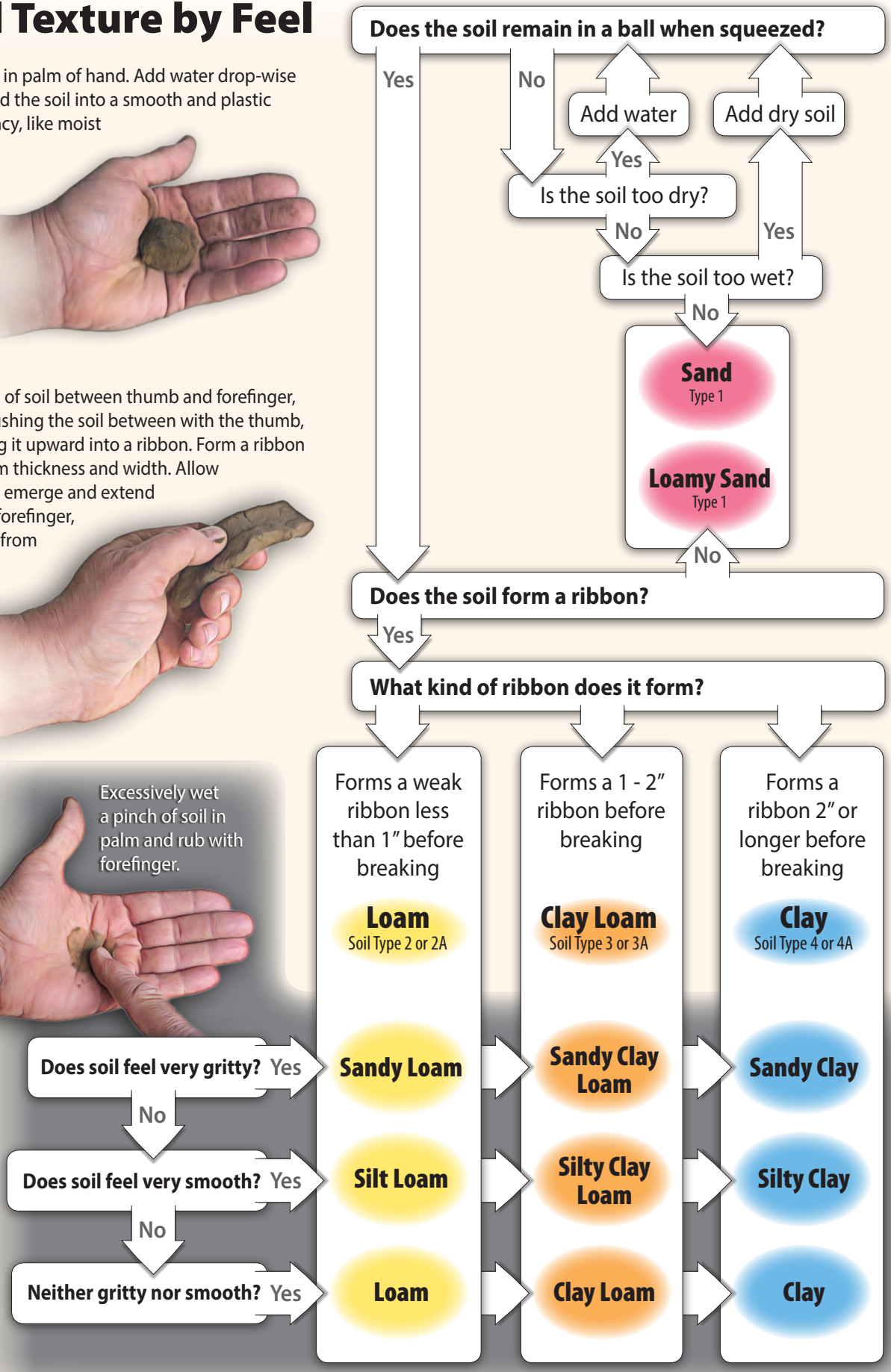
Place soil in palm of hand. Add water drop-wise and knead the soil into a smooth and plastic consistency, like moist putty.



Place ball of soil between thumb and forefinger, gently pushing the soil between with the thumb, squeezing it upward into a ribbon. Form a ribbon of uniform thickness and width. Allow ribbon to emerge and extend over the forefinger, breaking from its own weight.



Excessively wet a pinch of soil in palm and rub with forefinger.



Based on USDA NRCS Guide to Texture by Feel - S. J. Thien, 1979, modified.
This variation created by D Harrison, M Brown, W Brown, R Laws.

If platy structure then soil type 5

Long-term Acceptance Rates

Soil Type, Texture, Structure and Percolation Rate Range					Corresponding Long Term Acceptance Rate (LTAR) <i>in gallons per day per sq. ft.</i>				
Soil Type	USDA Soil Texture	USDA Soil Structure-Shape	USDA Soil Structure-Grade	Percolation Rate (MPI)	Treatment Level 1	Treatment Level 2	Treatment Level 2N	Treatment Level 3	Treatment Level 3N
0	Soil Type 1 with more than 35% rock >2 mm Soil Types 2-5 with more than 50% rock (>2 mm)	--	Single Grain	<5	1.0 <i>(minimum 3' deep unlined sand filter required 2)</i>	1.0 <i>(minimum 2-foot deep unlined sand filter required 2)</i>			
1	Sand Loamy Sand	--	Single Grain	5-15	0.80	1.25	1.25	1.40	1.40
2	Sandy Loam Loam Silt Loam	Prismatic Blocky Granular	Moderate Strong	16-25	0.60	0.90	0.90	1.00	1.00
2A	Sandy Loam Loam Silt Loam	Prismatic Blocky Granular None	Weak Massive	26-40	0.50	0.70	0.70	0.80	0.80
3	Sandy Clay Loam Clay Loam Silty Clay Loam	Prismatic Blocky Granular	Moderate Strong	41-60	0.35	0.50	0.50	0.60	0.60
3A	Sandy Clay Loam Clay Loam Silty Clay Loam	Prismatic Blocky Granular None	Weak Massive	61-75	0.30	0.40	0.40	0.50	0.50
4	Sandy Clay Clay Silty Clay	Prismatic Blocky Granular	Moderate Strong	76-90	0.20	0.30	0.30	0.30	0.30
4A	Sandy Clay Clay Silty Clay	Prismatic Blocky Granular None	Weak Massive	91-120	0.15	0.20	0.20	0.20	0.20
5	Soil Types 2-4A	Platy	Weak Moderate Strong	121+	0.10	0.15	0.15	0.15	0.15

Based on CDPHE WQCC Regulation 43 Table 10.1 Soil Treatment Area Long-term Acceptance Rates by Soil Texture, Soil Structure, Percolation Rate and Treatment Level

