

Vegas Andinas análisis de datos Suelo

2024-04-26

1 Introducción

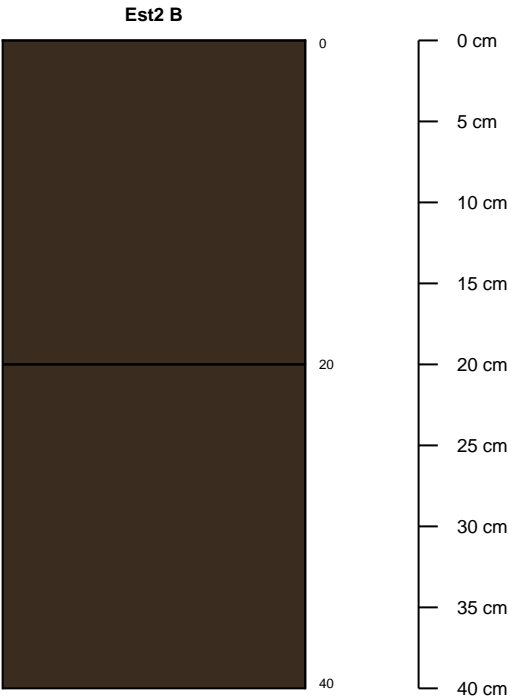
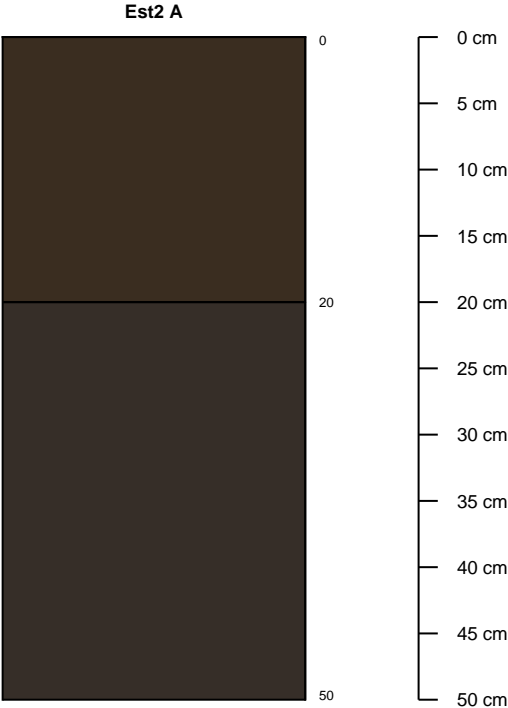
Se analizaron 51 localizados en 21, comprendiendo distintas profundidades, abarcando desde la superficie hasta NA.

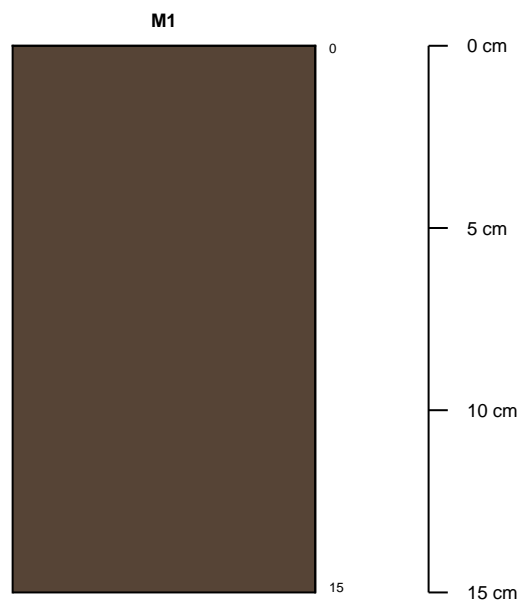
De los mismos, 6 perfiles presentaron problemas, los cuales se detallan a continuación

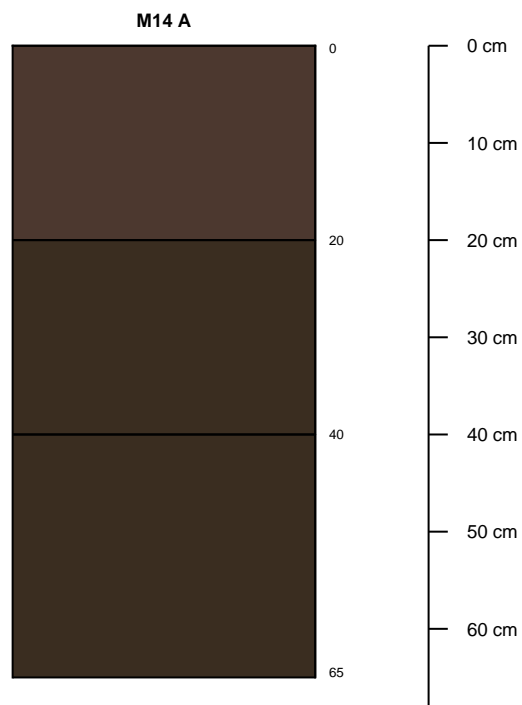
Table 1: Clasificación textural de las capas analizadas

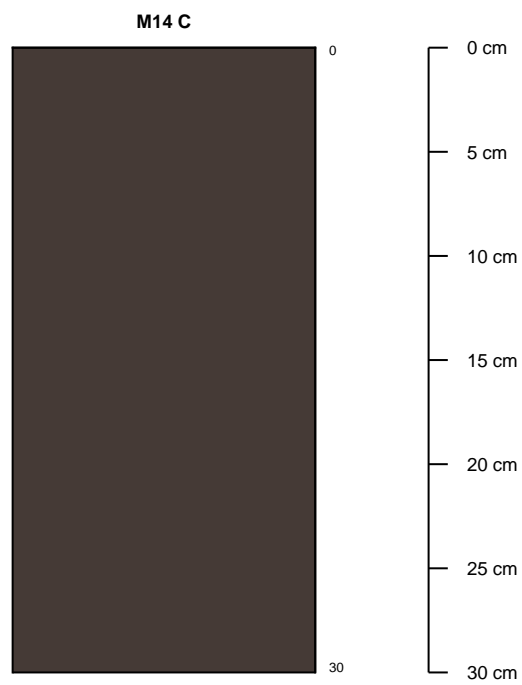
| Mallin | top | bottom | SAND | SILT | CLAY |
|---------|------|--------|------|------|------|
| M12 C1 | 0 | 30 | 48.5 | 34.7 | 16.8 |
| M12 C1 | 30 | agua | NA | NA | NA |
| M12 B | 0 | 20 | 39.8 | 42.1 | 18.1 |
| M12 B | 20 | agua | 50.9 | 25.1 | 24.0 |
| M33 | 0 | 35 | 71.0 | 23.9 | 5.1 |
| M33 | 35 | ROCA | NA | NA | NA |
| M36 | 0 | 43 | 43.6 | 41.1 | 15.3 |
| M36 | 43 | 93 | 88.0 | 11.0 | 1.0 |
| M36 | 93 | 117 | 83.4 | 16.3 | 0.3 |
| M36 | 117 | 232 | 45.5 | 47.1 | 7.5 |
| M36 | 232+ | + | 44.4 | 39.4 | 16.2 |
| M4.1 C1 | 0 | 20 | 51.5 | 33.0 | 15.5 |
| M4.1 C1 | 20 | 32 | 41.9 | 37.4 | 20.7 |
| M4.1 C1 | 32 | 70 | 9.5 | 39.1 | 51.4 |
| M4.1 C1 | 70 + | + | 50.7 | 32.2 | 17.1 |
| M44 A | 0 | 17 | 65.6 | 22.4 | 12.0 |
| M44 A | 17 | 55 | 60.7 | 25.7 | 13.6 |
| M44 A | 55 | L | NA | NA | NA |

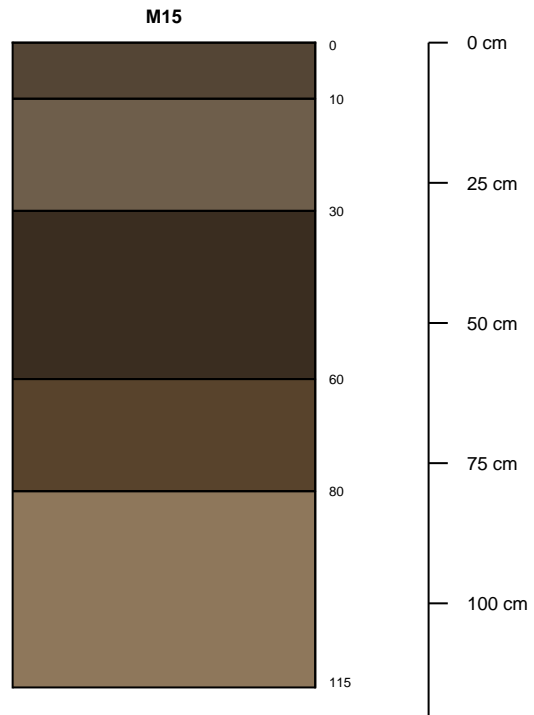
2 Graficos de perfiles

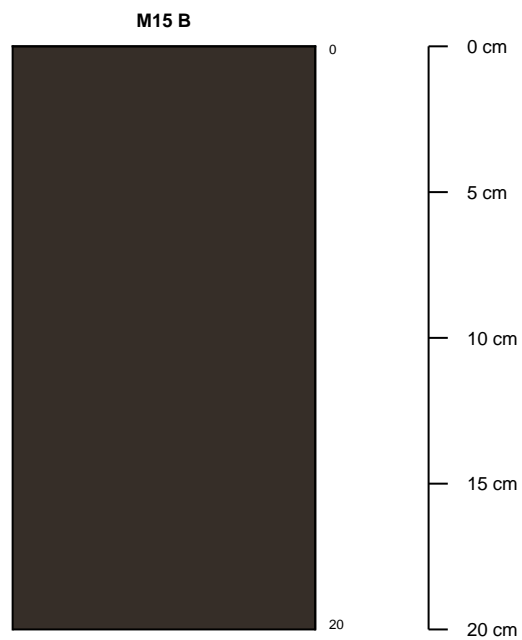


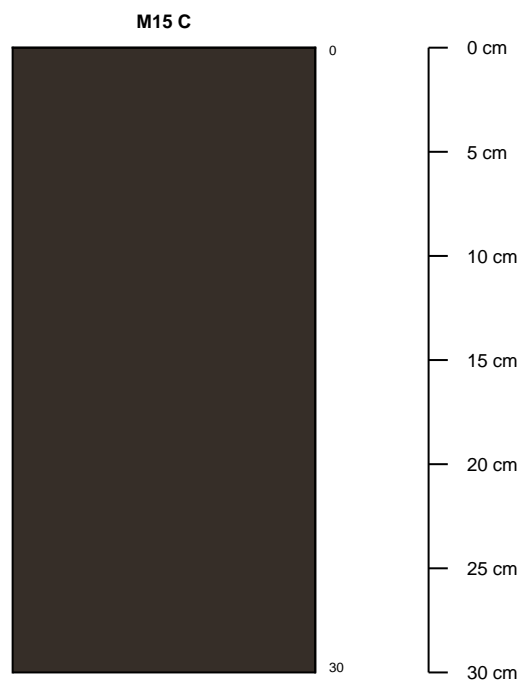


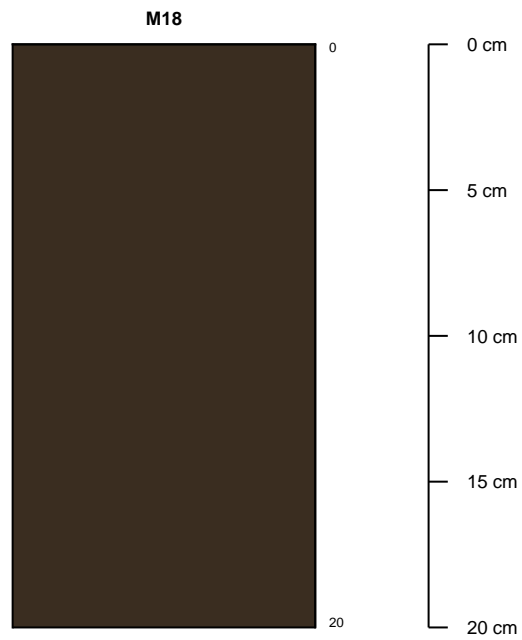


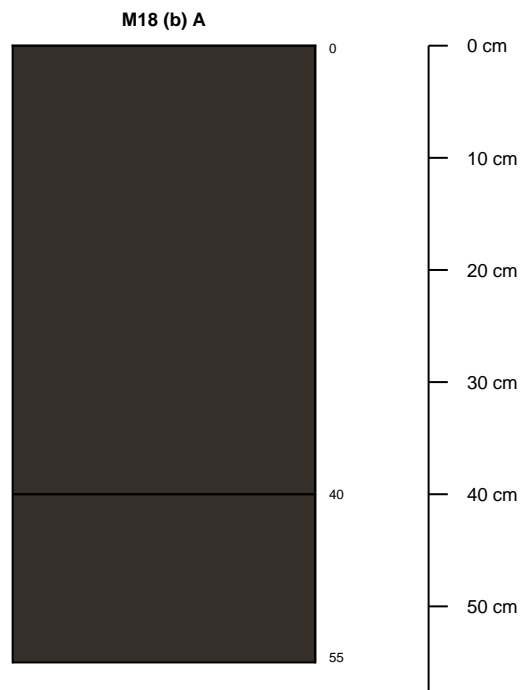


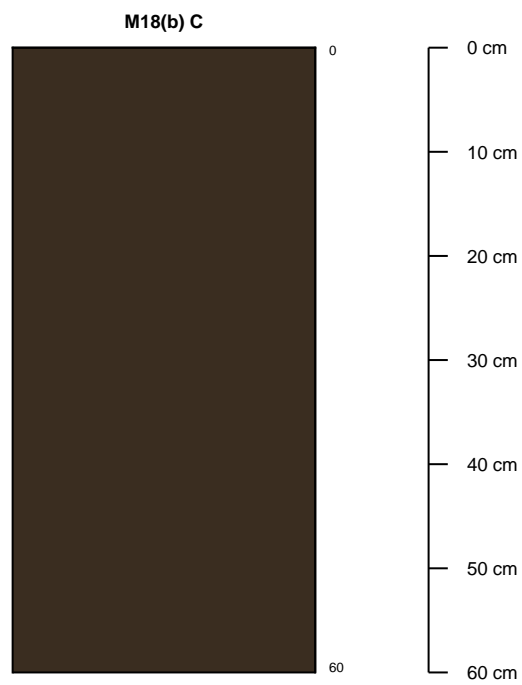


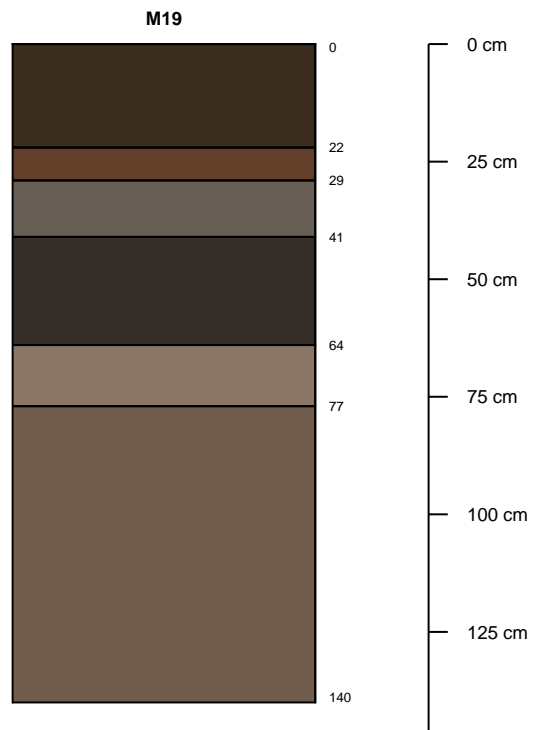


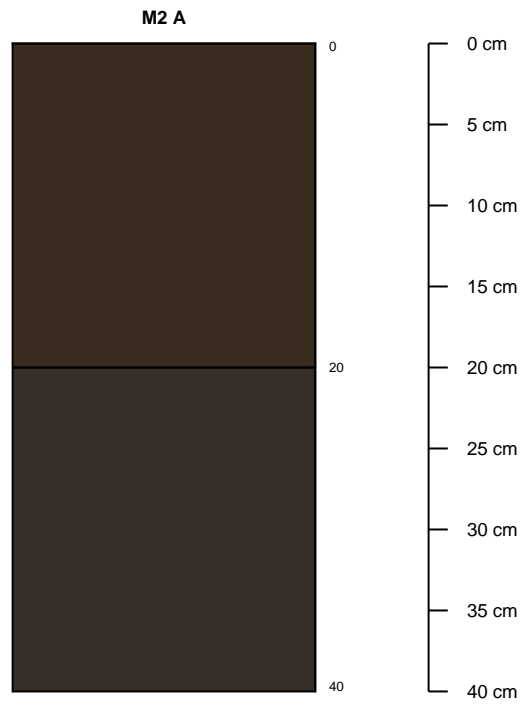




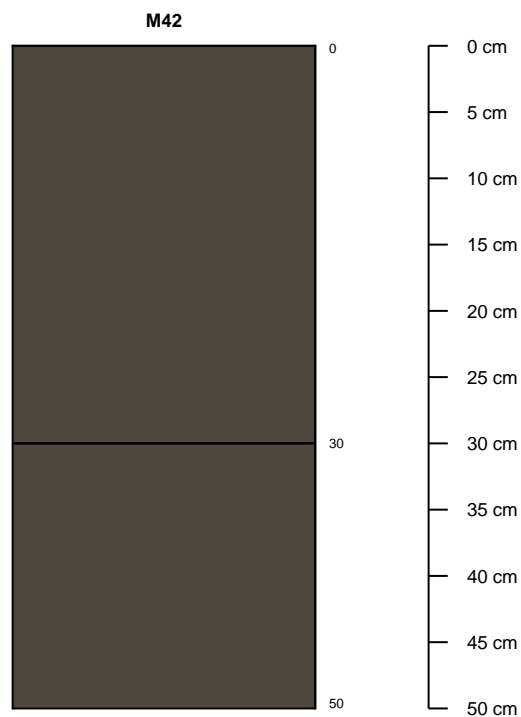












3 Análisis Textural

3.1 Clasificación textural

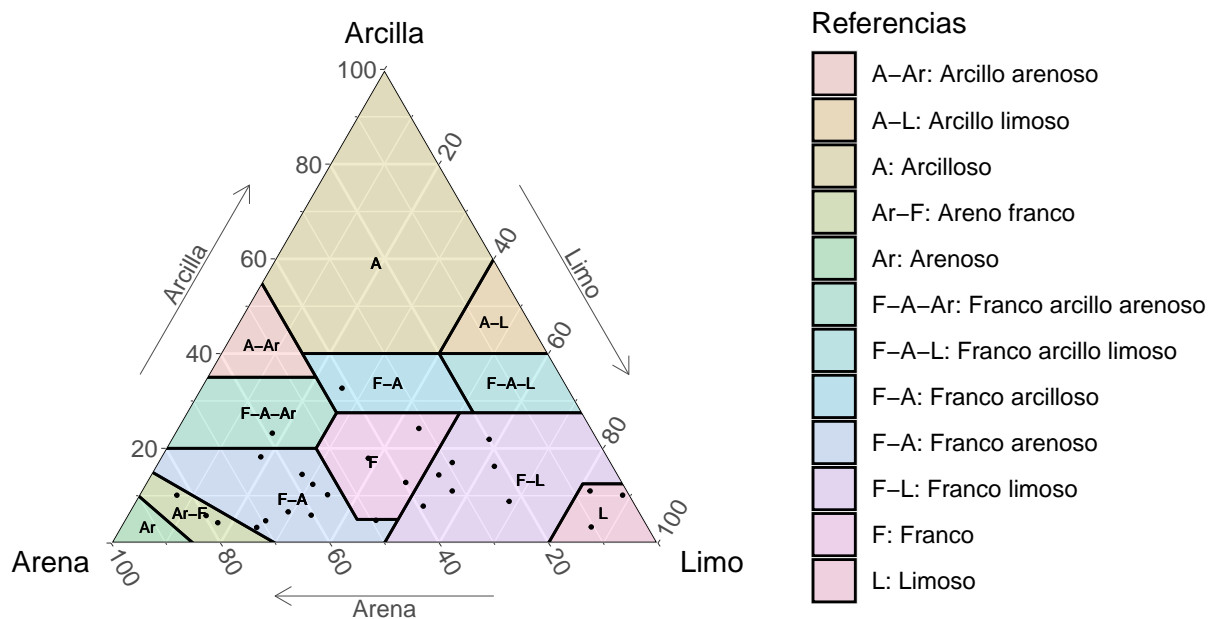
A continuación se presenta los resultados de la clasificación textural de los suelos de estudio utilizando el sistema de clasificación de USDA.

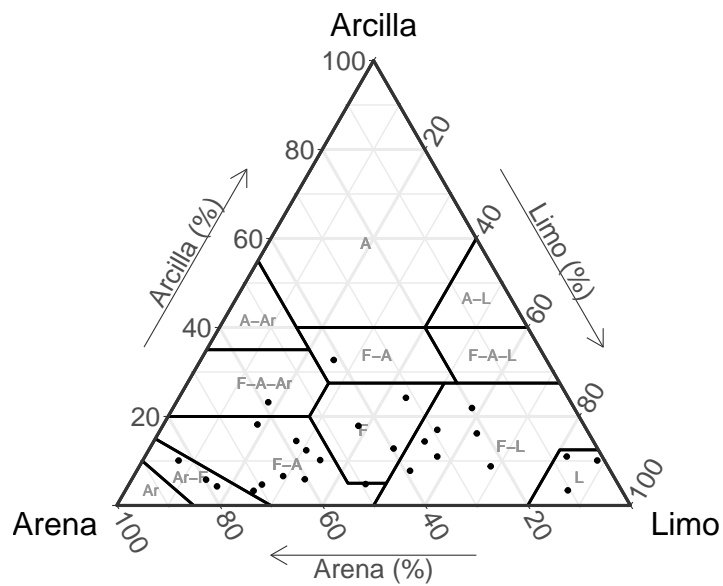
Table 2: Clasificación textural de las capas analizadas

| Mallin | top | bottom | SAND | SILT | CLAY | texture_class | Clase_textural |
|--------|-----|--------|------|------|------|------------------------|------------------------|
| Est2 A | 0 | 20 | 55.3 | 34.5 | 10.2 | Franco-arenoso | Franco arenoso |
| Est2 A | 20 | 50 | 56.9 | 30.7 | 12.4 | Franco-arenoso | Franco arenoso |
| Est2 B | 0 | 20 | 58.9 | 17.9 | 23.2 | Franco-arcillo-arenoso | Franco arcillo arenoso |
| Est2 B | 20 | 40 | NA | NA | NA | | NA |
| M1 | 0 | 15 | 63.5 | 18.3 | 18.2 | Franco-arenoso | Franco arenoso |
| M14 A | 0 | 20 | 64.3 | 29.1 | 6.6 | Franco-arenoso | Franco arenoso |
| M14 A | 20 | 40 | 60.4 | 33.7 | 5.9 | Franco-arenoso | Franco arenoso |
| M14 A | 40 | 65 | NA | NA | NA | | NA |
| M14 C | 0 | 30 | 39.7 | 47.5 | 12.8 | Franco | Franco |
| M15 | 0 | 10 | 29.1 | 53.9 | 17.0 | Franco-limoso | Franco limoso |
| M15 | 10 | 30 | 10.5 | 86.1 | 3.4 | Franco-limoso | Limoso |
| M15 | 30 | 60 | 39.0 | 53.2 | 7.8 | Franco-limoso | Franco limoso |
| M15 | 60 | 80 | 78.3 | 17.4 | 4.3 | Arenoso-franco | Arenoso franco |
| M15 | 80 | 115 | 44.0 | 38.1 | 17.9 | Franco | Franco |

| Mallin | top | bottom | SAND | SILT | CLAY | texture_class | Clase_textural |
|-----------|-----|--------|------|------|------|------------------|------------------|
| M15 B | 0 | 20 | 71.7 | 25.0 | 3.3 | Arenoso-franco | Franco arenoso |
| M15 C | 0 | 30 | 32.9 | 52.7 | 14.4 | Franco-limoso | Franco limoso |
| M18 | 0 | 20 | 22.8 | 68.4 | 8.8 | Franco-limoso | Franco limoso |
| M18 (b) A | 0 | 40 | 41.4 | 25.9 | 32.7 | Franco-arcilloso | Franco arcilloso |
| M18 (b) A | 40 | 55 | NA | NA | NA | | NA |
| M18(b) C | 0 | 60 | 79.7 | 14.5 | 5.8 | Arenoso-franco | Arenoso franco |
| M19 | 0 | 22 | 6.9 | 82.1 | 11.0 | Franco-limoso | Limoso |
| M19 | 22 | 29 | 1.4 | 88.5 | 10.1 | Limoso | Limoso |
| M19 | 29 | 41 | 82.9 | 7.0 | 10.1 | Arenoso-franco | Arenoso franco |
| M19 | 41 | 64 | 21.8 | 62.0 | 16.2 | Franco-limoso | Franco limoso |
| M19 | 64 | 77 | 49.1 | 46.0 | 4.8 | Franco-arenoso | Franco arenoso |
| M19 | 77 | 140 | 31.6 | 44.2 | 24.2 | Franco | Franco |
| M2 A | 0 | 20 | 69.4 | 25.9 | 4.7 | Franco-arenoso | Franco arenoso |
| M2 A | 20 | 40 | 32.1 | 56.9 | 11.0 | Franco-limoso | Franco limoso |
| M2.2A C1 | 0 | 20 | 57.8 | 27.7 | 14.5 | Franco-arenoso | Franco arenoso |
| M2.2A C1 | 20 | 32 | NA | NA | NA | | NA |
| M2.2A C1 | 32 | 70 | NA | NA | NA | | NA |
| M42 | 0 | 30 | 19.9 | 58.2 | 21.9 | Franco-limoso | Franco limoso |
| M42 | 30 | 50 | NA | NA | NA | | NA |

3.2 Triángulos de textura (USDA)





Referencias

- A-Ar: Arcillo arenoso
- A-L: Arcillo limoso
- A: Arcilloso
- Ar-F: Areno franco
- Ar: Arenoso
- F-A-Ar: Franco arcillo arenoso
- F-A-L: Franco arcillo limoso
- F-A: Franco arcilloso
- F-A: Franco arenoso
- F-L: Franco limoso
- F: Franco
- L: Limoso

