|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Fragilidad total** |  |  |  |  |
|  |  |  |  |  |
| **nivel 1** |  |  |  |  |
| 1t + 1pp + 1s |  |  |  |  |
| 1t + 2pp + 1s |  |  |  |  |
| 2t + 1pp + 1s |  |  |  |  |
| 1t + 1pp + 2s |  |  |  |  |
| 1t + 2pp + 2s |  |  |  |  |
|  |  |  |  |  |
| **nivel 2** |  |  |  |  |
| 2t + 2pp + 1s |  |  |  |  |
| 2t + 2pp + 2s |  |  |  |  |
| 2t + 2pp + 3s |  |  |  |  |
| 2t + 3pp + 1s |  |  |  |  |
| 2t + 3pp + 2s |  |  |  |  |
| 2t + 1pp + 3s |  |  |  |  |
| 3t + 1pp + 1s |  |  |  |  |
|  |  |  |  |  |
| **Nivel 3** |  |  |  |  |
| Todas las combinaciones restantes | | |  |  |
|  |  |  |  |  |
| **Observación:** |  |  |  |  |
| Si la serie de suelo presenta cubierta vegetal baja un nivel de fragilidad | | | | |

Donde t es la textura

|  |  |
| --- | --- |
| **Serie de suelo** | **Textura** |
| **NIVEL de Fragilidad 1** | |
| Coreo | Franco Arenoso |
| Santa Teresa | Franco Arenoso |
| Pileo | Franco Arenoso |
| Human | Franco Arenoso |
| Mañil | Franco Arenoso |
| Unicaven | Franco Arenoso |
| Negrete | Areno Franco muy fino |
| Pedregales | Arena Gruesa |
| Arenales | Arena Gruesa |
| Dunas | Arenosa |
| Suelos Recientes | Areno limoso |
| **NIVEL de Fragilidad 2** | |
| Collipulli | Arcillo Limoso |
| Mirador | Franco Arcillo Limoso |
| Cauquenes | Franco Arcillo Arenoso |
| San Esteban | Franco Arcillo Arenoso |
| Constitución | Franco Arcillo Arenoso |
| Cobquecura | Franco Arcillo Arenoso |
| Arrayan | Franco Limoso |
| Santa Barbara | Franco Arenoso muy Fino |
| **NIVEL de Fragilidad 3** | |
| Colico | Arcilloso |
| Nahuelbuta | Arcilloso |
| Bulnes | Franco Arcilloso |
| San Carlos | Franco Arcilloso |
| Chacay | Franco Arcilloso |
| Curanipe | Franco Arcilloso |
| Curanilahue | Franco Arcilloso |
| Pocillas | Franco Arcilloso |

S: es la serie de suelo relacionado con el material Parental : Ej series graniticas mas fragilidad

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Serie de suelo** | **Nivel de Fragilidad** |  | **Combinación de series** | **Nivel de Fragilidad** |
| Arenales | 1 |  | Pileo - Nahuelbuta | 2 |
| Coreo | 1 |  | San Esteban - Cauquenes | 3 |
| Santa Teresa | 1 |  | Mirador - Bulnes | 1 |
| Pileo | 1 |  | Human - Dunas | 1 |
| Human | 1 |  |  |  |
| Mañil | 1 |  |  |  |
| Negrete | 1 |  |  |  |
| Unicaven | 1 |  |  |  |
| Pedregales | 1 |  |  |  |
| Suelos Recientes | 1 |  |  |  |
| Dunas | 1 |  |  |  |
| Arrayan | 2 |  |  |  |
| Santa Barbara | 2 |  |  |  |
| Collipulli | 2 |  |  |  |
| Cauquenes | 2 |  |  |  |
| San Esteban | 2 |  |  |  |
| Mirador | 2 |  |  |  |
| Constitución | 2 |  |  |  |
| Cobquecura | 2 |  |  |  |
|  |  |  |  |  |
| San Carlos | 3 |  |  |  |
| Bulnes | 3 |  |  |  |
| Chacay | 3 |  |  |  |
| Colico | 3 |  |  |  |
| Curanipe | 3 |  |  |  |
| Curanilahue | 3 |  |  |  |
| Nahuelbuta | 3 |  |  |  |
| Pocillas | 3 |  |  |  |
|  |  |  |  |  |

PP: es la precipitación en mm

|  |  |
| --- | --- |
|  | **Rango de Precipitación (mm)** |
| Nivel 1 | 765 - 1000 |
|  |  |
| Nivel 2 | 1001 - 2000 |
|  |  |
| Nivel 3 | 2001 - 3829 |
|  |  |

T: es la textura

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Serie de suelo** | **Profundidad** |  | **Serie de suelo** | **Profundidad** |
| **Nivel de Fragilidad 1** | |  | **Nivel de Fragilidad 1** | |
| Colico | 0 a 180 cm |  | Colico |  |
| Curanipe | 0 a 183 cm |  | Curanipe | 0-45 |
| Coreo | 0 a 183 cm |  | Coreo | 0-97 |
| Collipulli | 0 a 183 cm |  | Collipulli | 0-66 |
| Curanilahue | 0 a 200 cm |  | Curanilahue | 0-200 |
| San Esteban | 0 a 210 cm |  | San Esteban |  |
| Collipulli | 0 a 240 cm |  | Collipulli |  |
| **Nivel de Fragilidad 2** | |  | **Nivel de Fragilidad 2** | |
| Chacay | 0 a 115 cm |  | Chacay | 0-40 |
| Santa teresa | 0 a 120 cm |  | Santa teresa |  |
| Cobquecura | 0 a 130 cm |  | Cobquecura | 0-80 |
| Pileo | 0 a 140 cm |  | Pileo |  |
| Arenales | 0 a 150 cm |  | Arenales | 0-60 |
| Mirador | 0 a 150 cm |  | Mirador | 0-27 |
| Human | 0 a 150 cm |  | Human | 0-40 |
| Nahuelbuta | 0 a 158 cm |  | Nahuelbuta |  |
| Cauquenes | 0 a 160 cm |  | Cauquenes | 0-160 |
| Bulnes | 0 a 170 cm |  | Bulnes | 0-100 |
| **Nivel de Fragilidad 3** | |  | **Nivel de Fragilidad 3** | |
| Dunas | 0 a 15 cm |  | Dunas |  |
| Pedregales | 0 a 30 cm |  | Pedregales |  |
| Unicaven | 0 a 48 cm |  | Unicaven |  |
| San carlos | 0 a 60 cm |  | San carlos |  |
| Mañil | 0 a 70 cm |  | Mañil | 0-40 |
| Constitución | 0 a 80 cm |  | Constitución | 0-30 |
| Suelos Recientes | 0 a 80 cm |  | Suelos Recientes | 0-33 |
| Arrayan | 0 a 90 cm |  | Arrayan |  |
| Santa Barbara | 0 a 100 cm |  | Santa Barbara |  |
| Pocillas | 0 a 100 cm |  | Pocillas |  |
| Negrete | 0 a 110 cm |  | Negrete |  |