

*Annex 4. Suggested qualifier rankings 1*

*Suggested ranking of common qualifiers in each Reference Soil Group*

HISTOSOLS	CRYOSOLS	ANTHROSOLS	LEPTOSOLS	VERTISOLS
<p><b>Glacic</b> <b>Thionic</b></p> <p>Cryic <b>Gelic</b> Salic</p> <p>Folic Fibric Sapric</p> <p>Ombric Rheic Alcalic Toxic</p> <p>Dystric Eutric</p> <p>Haplic</p>	<p>Turbic <b>Glacic</b></p> <p>Histic Lithic Leptic Salic Gleyic Andic Natric Mollic Gypsic Calcic Umbric</p> <p>Thionic Stagnic Yermic Aridic</p> <p>Oxyaquic</p> <p>Haplic</p>	<p>Hydragric Irragric Terric Plaggic Hortic</p> <p>Gleyic Spodic Ferralic Luvic Arenic Regic</p> <p>Stagnic</p> <p>Haplic</p>	<p>Lithic Hyperskeletal Rendzic</p> <p><b>Gelic</b> Vertic Gleyic Mollic Umbric</p> <p>Humic Gypsic Calcaric Yermic Aridic</p> <p>Dystric Eutric</p> <p>Haplic</p>	<p><b>Thionic</b></p> <p>Salic Natric Gypsic Duric Calcic Alic</p> <p>Gypsic Grumic Mazic Mesotrophic Hyposodic Eutric</p> <p>Pellic Chromic</p> <p>Haplic</p>
FLUVISOLS	OLONCHAKS	GLEYSOLS	ANDOSOLS	PODZOLS
<p><b>Thionic</b></p> <p>Histic <b>Gelic</b> Salic Gleyic Mollic Umbric Arenic</p> <p>Tephric Stagnic Humic Gypsic Calcaric Takyric Yermic Aridic</p> <p>Skeletal Sodic</p> <p>Dystric Eutric</p> <p>Haplic</p>	<p>Histic <b>Gelic</b> Vertic Gleyic Mollic Gypsic Duric Calcic</p> <p>Petrosalic Hypersalic Stagnic Takyric Yermic Aridic Hyperochric</p> <p>Aceric Chloridic Sulphatic Carbonatic Sodic</p> <p>Haplic</p>	<p><b>Thionic</b></p> <p>Histic <b>Gelic</b> Anthraquic <b>Vertic</b> Endosalic Andic Vitric Plinthic Mollic Gypsic Calcic Umbric Arenic</p> <p>Tephric Stagnic Abruptic Humic Calcaric Takyric</p> <p>Alcalic Toxic Sodic Alumic Dystric Eutric</p> <p>Haplic</p>	<p>Vitric Silandic Aluandic <b>Eutrisilic</b> <b>Melanic</b> <b>Fulvic</b> <b>Hydric</b></p> <p>Histic Leptic Gleyic Mollic Duric Luvic Umbric Arenic</p> <p>Placic Pachic Calcaric</p> <p>Skeletal Acroxic Vetic Sodic</p> <p>Dystric Eutric</p> <p>Haplic</p>	<p>Densic Carbic Rustic</p> <p>Histic <b>Gelic</b> Anthric Gleyic Umbric</p> <p>Placic</p> <p>Skeletal Stagnic Lamellic Fragic Entic</p> <p>Haplic</p>

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PLINTHOSOLS	FERRALSOLS	SOLONETZ	PLANOSOLS	CHERNOZEMS
Petric Endoduric Alic Acric Umbric  Geric Stagnic Abruptic Pachic Glossic Humic Albic Ferric  Skeletic Vetic Alumic Endoeutric  Haplic	Gibbsic Geric Posic  Histic Gleyic Andic Plinthic Mollic Acric Lixic Umbric Arenic  Endostagnic Humic Ferric  Vetic Alumic Hyperdystric Hypereutric  Rhodic Xanthic  Haplic	Vertic Salic Gleyic Mollic Gypsic Duric Calcic  Stagnic Humic Albic Takyric Yermic Aridic  Magnesian  Haplic	Thionic  Histic Gelic Vertic Endosalic Gleyic Plinthic Mollic Gypsic Calcic Alic Luvic Umbric Arenic  Geric Calcaric Albic Ferric  Alcalic Sodc Alumic Dystric Eutric  Rhodic Chromic  Haplic	Chernic  Vertic Gleyic Calcic Luvic  Glossic  Siltic Vermic  Haplic
KASTANOZEMS	PHAEZOZEMS	GYPISISOLS	DURISOLS	CALCISOLS
Anthric Vertic Petrogypsic Gypsic Petrocalcic Calcic Luvic  Hyposodic  Siltic  Chromic  Haplic	Chernic  Leptic Vertic Gleyic Vitric Andic Luvic  Tephric Stagnic Abruptic Greyic Pachic Glossic Calcaric Albic  Skeletic Sodc Siltic Vermic Dystric  Chromic  Haplic	Petric Hypergypsic  Leptic Vertic Endosalic Duric Calcic Luvic  Takyric Yermic Aridic Hyperochric  Skeletic Sodc Arzic  Haplic	Petric  Leptic Vertic Gypsic Calcic Luvic Arenic  Hyperduric Takyric Yermic Aridic Hyperochric  Chromic  Haplic	Petric Hypercalcic  Leptic Vertic Endosalic Gleyic Luvic  Takyric Yermic Aridic Hyperochric  Skeletic Sodc  Haplic

**Annex 4. Suggested qualifier rankings 3**

ALBELUVISOLS	ALISOLS	NITISOLS	ACRISOLS	LUVISOLS
Histic Gleyic Alic Umbric Arenic  Gelic Stagnic Abruptic Ferric Fragic  Siltic Alumic Endoeutric  Haplic	Vertic Gleyic Andic Plinthic Nitric Umbric Arenic  Stagnic Abruptic Humic Albic Profondic Lamellic Ferric  Skeletal Hyperdystric  Rhodic Chromic  Haplic	Andic Ferralic Mollic Alic Umbric  Humic  Vetic Alumic Dystric Eutric  Rhodic  Haplic	Leptic Gleyic Vitric Andic Plinthic Umbric Arenic  Stagnic Abruptic Geric Humic Albic Profondic Lamellic Ferric Hyperochric  Skeletal Vetic Alumic Hyperdystric  Rhodic Chromic  Haplic	Leptic Vertic Gleyic Vitric Andic Calcic Arenic  Stagnic <b>Abruptic</b> Albic Profondic Lamellic Cutanic Ferric Hyperochric  <b>Skeletal</b> Hyposodic Dystric  Rhodic Chromic  Haplic
LIXISOLS	UMBRISOLS	CAMBISOLS	ARENOSOLS	REGOSOLS
Leptic Gleyic Vitric Andic Plinthic Calcic Arenic  Geric Stagnic Abruptic Humic Albic Profondic Lamellic Ferric Hyperochric  Vetic  Rhodic Chromic  Haplic	<b>Thionic</b>  <b>Gelic</b> Anthric Leptic Gleyic Ferralic Arenic  Stagnic Humic Albic  Skeletal Haplic	<b>Thionic</b>  <b>Gelic</b> Leptic Vertic Fluvic Endosalic Gleyic Vitric Andic Plinthic Ferralic  Gelistagnic Stagnic <b>Humic</b> Calcaric Gypsiric Takyric Yermic Aridic Hyperochric  Skeletal Sodic Dystric Eutric  Rhodic Chromic  Haplic	<b>Gelic</b> Hyposalic Gleyic Hyperalbic Plinthic Hypoferralic Hypoduric ( <b>DEFINE</b> ) Hypoluvic  Tephric Gypsiric Calcaric Albic Lamellic Fragic Yermic Aridic  Protic Dystric Eutric  Rubic  Haplic	<b>Gelic</b> Leptic Hyposalic Gleyic Thaptovitric Thaptoandic Arenic  Aric Garbic Reductic Spolic Urbic Tephric Gelistagnic Stagnic Humic Gypsiric Calcaric Takyric Yermic Aridic Hyperochric  Anthropic Skeletal Hyposodic Vermic Dystric Eutric  Haplic