



United States
Department of
Agriculture

Soil
Conservation
Service

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**NATIONAL SOIL TAXONOMY HANDBOOK
430-VI
ISSUE NO. 9**

Purpose. To distribute current amendments to Soil Taxonomy, Agriculture Handbook 436.

Effective Date. These amendments and revisions are effective when received.

Filing Instructions. File this copy of the changes in the 3-ring binder with Issue No. 5 through 8. It is suggested that you keep this binder with the Soil Taxonomy volume for easy reference.

Replace 615 contents dated August 1986 with the enclosed contents dated October 1986. Replace page 615-2h dated August 1986 with the enclosed page 615-2h dated October 1986. File pages 615.99-100 following pages 615-98.

Supplementation. States and NTC's may not supplement the handbook.

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DIST: NSTH



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615.39 Aquic and Typic Fragiudults.

Most of the series currently classified as Aquic and Typic Fragiudults were so classified on the basis of distinctions between the aquic and typic subgroups similar to those listed in the March 1967 Supplement to the 7th Approximation and February 24, 1969 Amendments to this Supplement. The distinctions were subsequently modified when Soil Taxonomy was published resulting in most of the "aquic's" meeting the criteria of the typic subgroup. The affected soil series were never reclassified, however, because they interpreted more like other aquics than typics. A proposed amendment was submitted by the Northeast Soil Taxonomy Committee in May 1978 to correct the problem and was approved by the Midwest, South, and West Soil Taxonomy Committees, provided slight modifications were made in the proposal. These modifications were made and the approvals were reaffirmed in 1985.

The following changes are required in Soil Taxonomy to accommodate this amendment:

Page 361, first column, Distinctions between Typic Fragiudults and other subgroups, item b., change to read:

- "b. Do not have mottles that have chroma of 2 or less:
- (1) Within the upper 25 cm of the argillic or kandic horizon or above the fragipan if the part of the argillic or kandic horizon above the fragipan is less than 25 cm thick; or
 - (2) Within 40 cm of the surface of the soil if an argillic or kandic horizon is lacking above the fragipan or if there is an intervening horizon between the argillic or kandic horizon and fragipan that has as much as 3 percent less clay (absolute) than both the overlying argillic or kandic horizon and the underlying fragipan."

First column, Distinctions between Typic Fragiudults and other subgroups, Aquic Fragiudults, change to read: "Aquic Fragiudults are like Typic Fragiudults except for b(1)."

First column, Distinctions between Typic Fragiudults and other subgroups, Glossaquic Fragiudults, change to read: "Glossaquic Fragiudults are like Typic Fragiudults except for a and b(2)." Delete remainder of statement.

First column, Distinctions between Typic Fragiudults and other subgroups, Glossic Fragiudults, change to read: "Glossic Fragiudults are like Typic Fragiudults except for a." Delete remainder of statement.

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Second column, Distinctions between Typic Fragiudults and other subgroups, Plinthaquic Fragiudults, change to read: "Plinthaquic Fragiudults are like Typic Fragiudults except for a, b(2), and d." Delete remainder of statement.

Second column, Distinctions between Typic Fragiudults and other subgroups, Plinthic Fragiudults, change to read: "Plinthic Fragiudults are like Typic Fragiudults except for a and d." Delete remainder of statement.

Second column, Description of subgroups, Typic Fragiudults, first paragraph, line 7, delete the words "in the upper 40 cm of the soil" and substitute "above the fragipan if the part of the argillic or kandic horizon above the fragipan is less than 25 cm thick."

615.40 Add implied subgroup of Ustic Quartzipsamments

A proposal to add the implied subgroup of Ustic Quartzipsamments is approved. The following changes in Soil Taxonomy will accommodate this amendment.

(a) Page 204, first column, Distinctions between Typic Quartzipsamments and other subgroups, add: Ustic Quartzipsamments are like Typic Quartzipsamments except for f.

(b) Page 204, second column, Description of subgroups, add: Ustic Quartzipsamments. - These soils have an ustic moisture regime. They are otherwise like Typic Quartzipsamments.

615.41 Paleudalfs

The following distinction is not needed to distinguish vertic subgroups of paleudalfs.

(a) Page 134, first column, Distinctions between Typic Paleudalfs and other subgroups, Item e(1). Delete last 2 lines beginning with "unless the hue...". Place semicolon after "horizon".

615.42 Correction in previous issue.

Issue No. 2, dated October 5, 1982, page 615-21, item (b), top of page, third line. After the < sign, insert "8".