

**A GUIDE TO THE SCIENTIFIC  
EXAMINATION OF SOILS; COMPRISING  
SELECT METHODS OF MECHANICAL  
AND CHEMICAL ANALYSIS AND  
PHYSICAL INVESTIGATION**

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A guide to the scientific examination of soils; comprising select methods of mechanical and chemical analysis and physical investigation by Felix Wahnschaffe & William T. Brant

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**FELIX WAHNSCHAFFE & WILLIAM T. BRANNT**

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A GUIDE  
TO THE  
SCIENTIFIC EXAMINATION OF SOILS:

COMPRISING  
SELECT METHODS OF MECHANICAL AND CHEMICAL ANALYSIS  
AND PHYSICAL INVESTIGATION.

TRANSLATED FROM THE GERMAN OF  
DR. FELIX WAHNSCHAFFE,

WITH ADDITIONS BY  
WILLIAM T. BRANNT,  
EDITOR OF "THE TECHNO-CHEMICAL RECEIPT BOOK."

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## PREFACE.

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THIS translation of Dr. Felix Wahnschaffe's *Anleitung zur wissenschaftlichen Bodenuntersuchung*, has been prepared in the belief that it will prove of interest to those engaged in scientific agriculture and the investigation of agricultural problems.

Some of the methods of analysis described are in use in the laboratory of the Royal Prussian Geological Institute, whilst others have been taken from approved text-books, but in many respects modified by Dr. Wahnschaffe. Only methods yielding scientifically useful results, and of comparatively easy and rapid execution, have been selected.

The chapter on "The Definition of the Soil," being of interest only to German readers, has been omitted, and a few trifling changes and additions have been made.

WILLIAM T. BRANNT.

PHILADELPHIA, December, 1891.



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