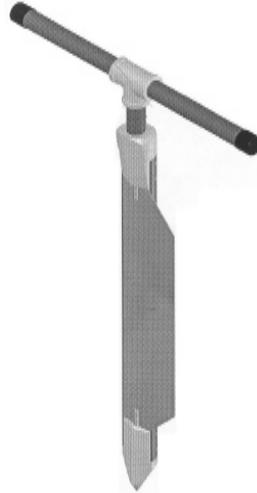


# 2460-F20 Flag™ Sampler (Russian Peat Borer)

## Warranty and Parts:

We replace all missing or defective parts free of charge. For additional parts, use part numbers above. We accept Mastercard, Visa, American Express, checks, institutional P.O.'s. All products guaranteed free from defect for 90 days. This guarantee does not include accident, misuse, or normal wear and tear.

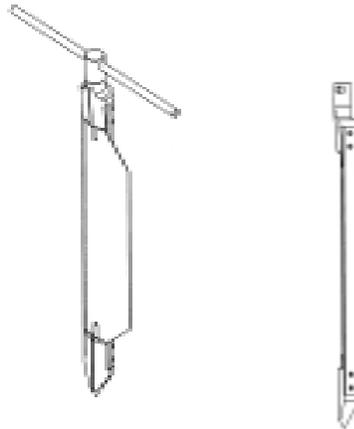


## If you want to do this:

Collect uncompressed cores in soft sediments such as woody peat, loamy sand, silt, or clay; or in shallow wetlands and estuaries where dense roots and dead organic matter are present. Collect samples below the groundwater level or from below the surface water.

## You also need this:

Optional 2427-E12 extension handle



## Uses include:

- Environmental studies
- Visual interpretation of a soil layer
- Paleontological analysis of bog and salt marsh sediments

## Introduction:

Also known in the literature as the *Russian Peat Borer*, this chambered-type corer with a sharp cutting edge is new from *Wildlife Supply*<sup>®</sup>. Unlike samples taken with end-filling core samplers, you can collect full-length, undistorted samples.

*Borer contains:* stainless steel corer head; stainless steel and PVC plastic construction; two 161 cm (24") extension rods; turning handle and carry case. Longer extension

handles are available.

The Flag™ Sampler is intended to take samples from reasonably coherent to coherent material, such as *clay or loamy sand containing substantial undecayed material*. Please note that, due to the massive core, you may encounter substantial penetration resistance. In very soft yet fibrous soils, the sharp edge of the chamber may not sufficiently cut the fibers, resulting in possible sample loss or contamination with upper layers.

### P/N 24-2460

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**Specifications:**

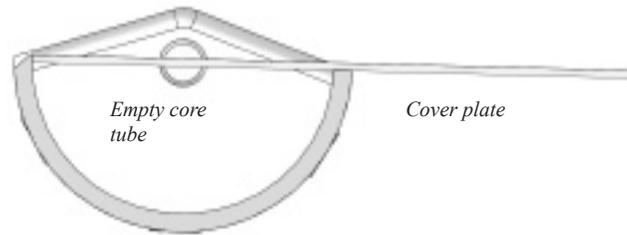
- 5 cm diameter, 50 cm in length
- Sample volume of 10 mL/cm
- Includes two 61 cm (24") extension rods

**Advantages:**

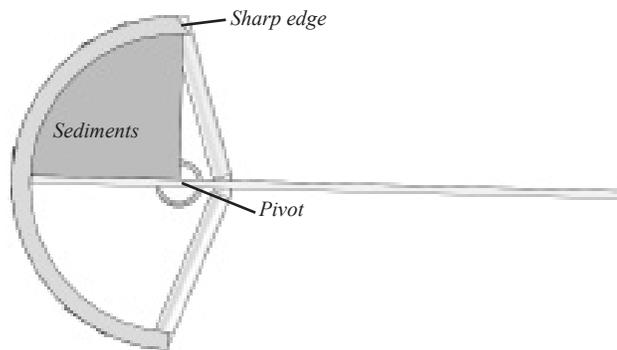
- Obtain an undisturbed sample, unlike end-filling corers
- Obtain a sample at almost any depth with 50 cm length
- Sample beneath ground or surface waters

**How to Use:**

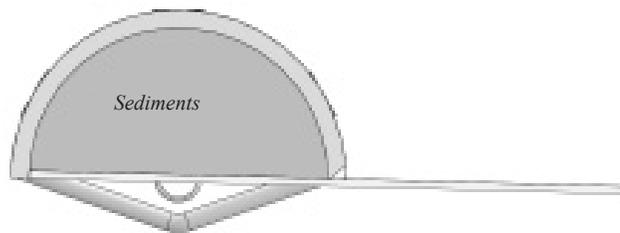
1. While in the closed position, with the blunt edge of the core tube turned against the cover flap to prevent sediments from entering the tube during penetration, push corer manually to any point in the sediment profile.
2. Turn the handle 180° clockwise to start sampling.
3. As the corer rotates, the sharp edge of the chamber cuts a sediment core around a stationary “flag” with the sample held in place by the cover plate.
4. To retrieve, simply rotate the corer counterclockwise to extrude the undisturbed sample.
5. Because the “flag” closes the half cylinder precisely, it is possible to take samples from very soft and flabby soils - in fact, it is possible to take samples from below the surface or ground water level.



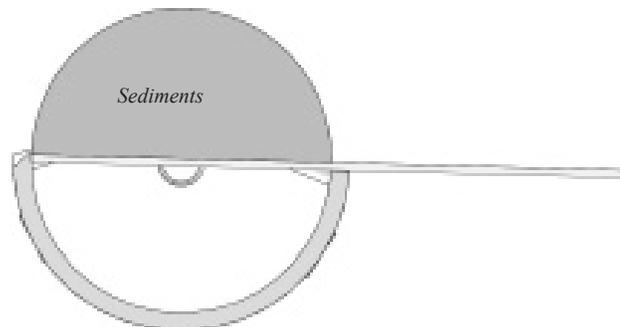
*Start position - Borer inserted with blunt edge of tube turned against cover flap.*



*Boring position - Tube is turned clockwise to cut through sediments.*



*Closed position - Tube is turned until sharp edge contacts cover flap.*



*Extruding position - Tube is turned counterclockwise to expose core sample on cover plate.*