

2.1.02A

**AOAC Official Method 992.33  
Texas Fluid Sampling Method**

**First Action 1992  
Final Action 1996**

(Applicable to sampling of clear liquid fertilizers and fertilizer suspensions in absence of free ammonia.)

**A. Apparatus**

*Texas fluid sampling device.*—42 in. (1066.8mm) polyethylene tube, threaded on both ends, one to fit stainless steel check valve (see Figure 992.33) and one to accept additional lengths of tubing (Rick-Mar Metal Fabricators, Bryan, TX is suitable source).

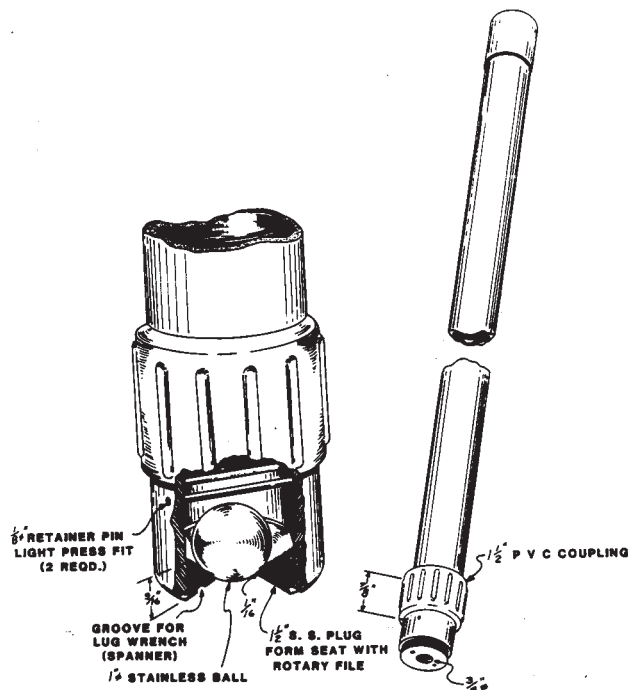
**B. Sampling**

Assemble sampling device by screwing together enough lengths of tubing to reach bottom of fertilizer container.

Mix liquid fertilizers as required. Agitate fertilizer suspensions vigorously 30 min prior to sampling. Take laboratory sample immediately. Insert sampling device vertically downward into liquid fertilizer to depth required and slowly withdraw while stripping excess liquid from exterior with gloved hand or rag. Hold index finger over check valve and pour contents into plastic container of such size that laboratory sample fills container to only ca 75%. Clean after use by flushing with water.

Reference: *J. AOAC Int.* **76**, 749(1993).

Revised: March 2002



TEXAS TUBE

Figure 992.33—Schematic of Texas fluid sampling device.