



# Wheat Objective Yield Procedures



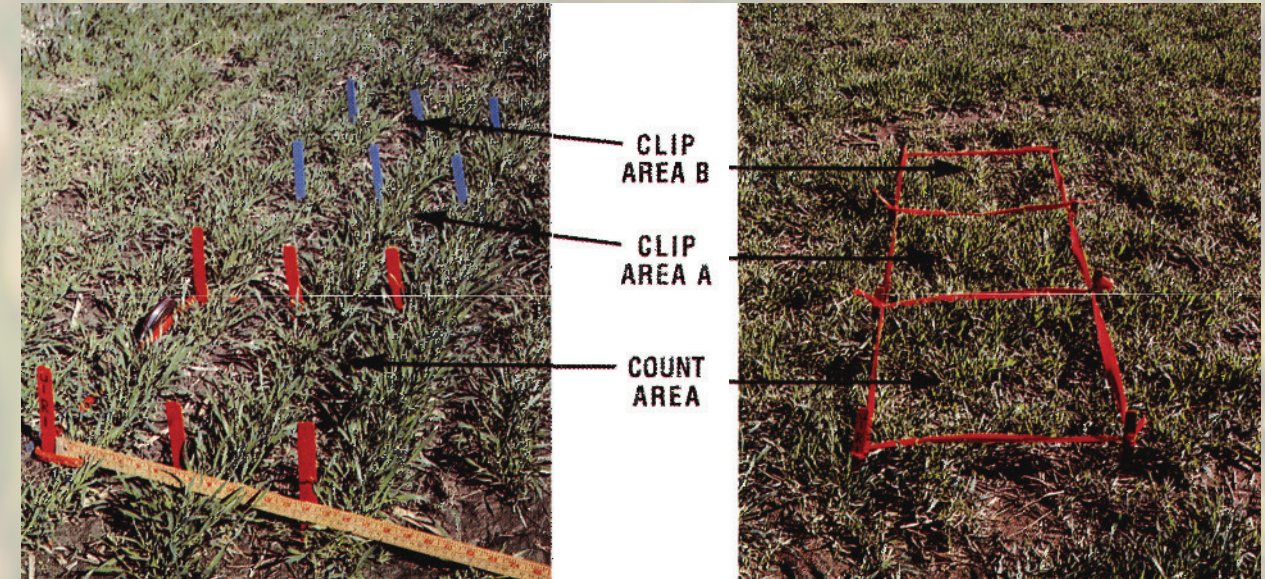
14. Five emerged heads are clipped 2 inches from the ground from a specified row when the wheat is in the late boot, milk, or soft dough maturity stages.



15. The remaining emerged heads and those in the late boot stage are clipped from the same half row described in caption 14. The clip should be made one inch below the head.



16. Mature emerged heads are clipped from the count units and sent to the laboratory for analysis.



1. This illustrates a wheat objective yield unit laid out in a field where drill rows are apparent.

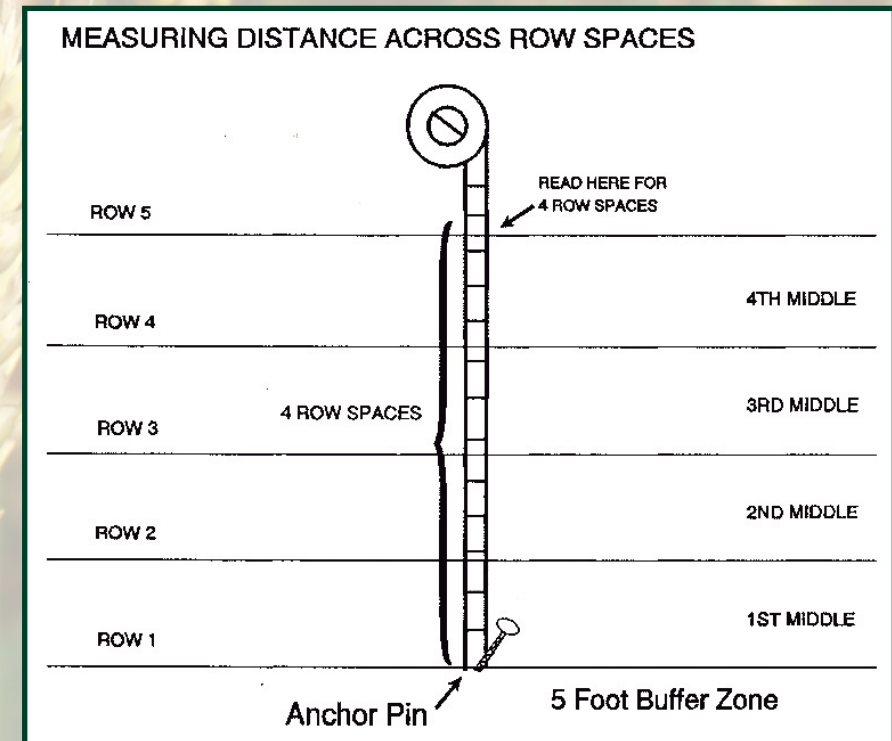
2. Here the flagging ribbon surrounds the unit (broadcast) where drill rows cannot be identified.



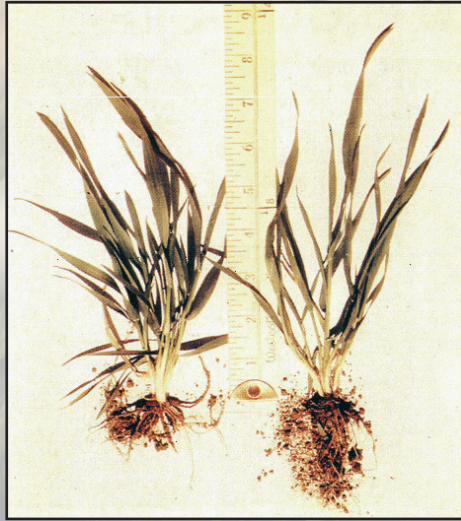
17. An enumerator's hand holds all the grain picked up inside a post-harvest gleaning unit outlined by stakes and flagging ribbon. The loose grain and heads, missed by the farmer, will be used to help determine harvesting losses.



18. Clipped heads and gleanings are placed in bags and mailed to regional laboratories.



3. The width across 4 row spaces is measured from the center of plants in row #1 to the center of the plants in row#5.



4. Each wheat stalk in the count area (see pictures 1 and 2) is carefully identified and counted.



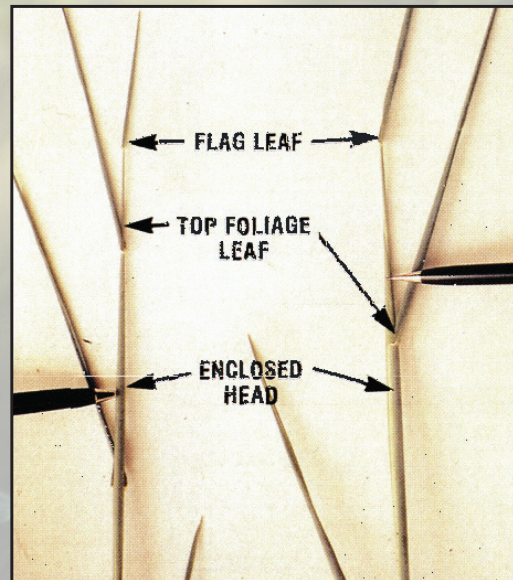
5. **CODE 1:** (Pre-flag Stage). There is no swelling in the stalks and no flag leaf present.



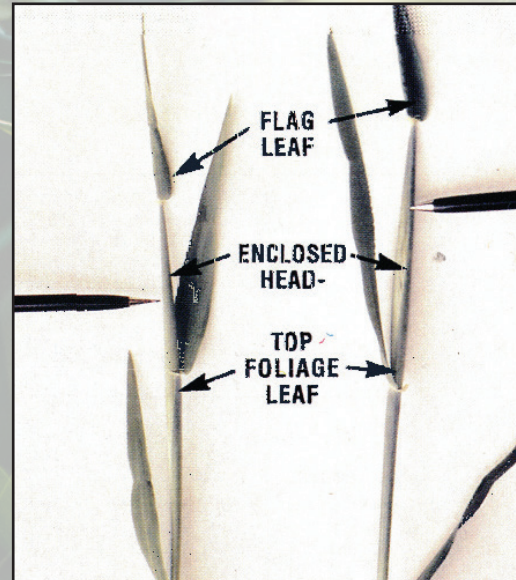
8. **CODE 4:** (Milk Stage). The kernels are soft, moist, and filled with a milky liquid.



9. **CODE 5:** (Soft Dough Stage). The content of the kernels are soft and can be kneaded like dough.



6. **CODE 2:** (Flag or Early Boot Stage). A flag leaf is present and the collar of the flag leaf has emerged above the top foliage leaf. The enclosed head is located below the collar of the top foliage leaf.



7. **CODE 3:** (Late Boot or Flower Stage). The wheat is in the late boot stage from the point the swelling has occurred above the top foliage leaf until the head has emerged and will show a watery clear liquid turning milky white.



10. **CODE 6:** (Hard Dough Stage). The grain is firm and can be dented with the thumbnail, but not easily crushed.



11. **CODE 7:** (Ripe Stage). The grain is hard and breaks into fragments when crushed.



12. Emerged heads examined for maturity stage should be heads similar to those inside the unit but must be outside the unit if other than a visual observation is made.



12. The sample number should be written on the anchor stake at the beginning of the buffer zone.