

A close-up photograph of two ears of ripe, yellow corn cobs. The cobs are the central focus, showing individual kernels in detail. They are surrounded by green and yellowing corn leaves, suggesting a field setting. The lighting is bright, highlighting the texture of the corn and the surrounding foliage.

SAMPLING AND PARTITIONING PROCESS FOR NUTRIENT UPTAKE IN HIGH-YIELDING CORN

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Step 1: Plant sampling (e.g. 6 plants/plot)

Step 2: Partitioning of separate plant tissues



Step 3: Sample storage and identification





Step 5: Sample dry weight is determined

Step 6: Data management is accurate with our efficient identification and barcoding system





Step 7: Samples are ground to create a uniform subsample for analysis



Step 8: Subsamples are sorted and shipped for laboratory analysis