Data shown in the USW Crop Quality Report is based on composite sample averages. The overall average values are weighted by export tributary. Individual samples are used to create the distributions shown in the USW Crop Quality Report.

**Sampling and Collection Methods for Hard Red Winter Wheat**

**Sample Size**

300g to 6,800g

**Average Number of Samples**

515

**Collection Organizations**

- Plains Grains Inc.
- Wheat Marketing Center
- State wheat commissions
- State departments of agriculture

**Testing Agencies**

- USDA-ARS Hard Winter Wheat Quality Lab
- Federal Grain Inspection Service
- AIB International

**Sampling and Collection**

**U.S. Plains**

*Location:* 100% Elevator

Collection occurs when harvest is 30% complete in the grainshed. Follow-up sampling is done if a major weather event occurs that impacts quality.

**U.S. Pacific Northwest**

*Location:* 100% Elevator

Collection begins the third week of July.
Data shown in the USW Crop Quality Report is based on composite sample averages.

**Sampling and Collection Methods for California Hard Red Winter**

**Sample Size**
2,300g to 2,700g

**Average Number of Samples**
150

**All samples are tested.**

**Collection Organizations**
- California Wheat Commission Laboratory

**Testing Agencies**
- Federal Grain Inspection Service
- California Wheat Commission Laboratory

**Sampling and Collection**

**California**  
**Location:** 100% Elevator  
Collection begins and ends when harvest does.
Data shown in the USW Crop Quality Report is based on composite sample averages. The overall average values are calculated using regional composite averages. Individual samples are used to create the distributions shown in the USW Crop Quality Report.
Sampling and Collection Methods for Hard White Wheat

**Sample Size**

300g to 6,800g

**Average Number of Samples**

110

**Collection Organizations**

- California Wheat Commission Laboratory
- Wheat Marketing Center
- Plains Grain Inc.
- State wheat commissions
- Private and state grain grading labs

**Testing Agencies**

- Federal Grain Inspection Service
- Wheat Marketing Center

**Sampling and Collection**

**U.S. Plains**

*Location*: 100% Elevator
Collection occurs when harvest is 30% complete in the grainshed. Follow-up sampling is done if a major weather event occurs that impacts quality.

**California**

*Location*: 100% Elevator
Collection begins and ends when harvest does.

**Pacific Northwest**

*Location*: 100% Elevator
Collection begins the third week of July

Data shown in the USW Crop Quality Report is based on protein composite samples.
Sampling and Collection Methods for Durum Wheat

1,200g
SAMPLE SIZE

AVERAGE NUMBER OF SAMPLES 210

6
Average number of composites, which are based on geographic area collected.

Sampling and Collection

Collection Organizations
- USDA National Agricultural Statistics Service
- State wheat Commissions

Testing Agencies
- NDSU Durum Wheat/Pasta Quality Lab

SAMPLING AND COLLECTION

U.S. Northern Plains

Location: 30% Elevator
70% Farm

Collection begins when harvest is 10% complete in each county. Collection ends on October 4 in order to meet publication deadline.

Data shown in the USW Crop Quality Report is based on composite sample averages. The overall average values are weighted by production. Individual samples are used to create the distributions shown in the USW Crop Quality Report.
Sampling and Collection Methods for Desert Durum® Wheat

4,500g to 6,800g
SAMPLE SIZE

AVERAGE NUMBER OF SAMPLES 75

All samples are tested.

Collection Organizations
- California Wheat Commission Laboratory
- Arizona Grain Research and Promotion Council

Milling Agencies
- NDSU Durum Wheat/Pasta Quality Lab

Testing Agencies
- Federal Grain Inspection Service
- California Wheat Commission Laboratory

SAMPLING AND COLLECTION

U.S. Southwest  Location: 100% Elevator
Collection begins and ends when harvest does.

Data shown in the USW Crop Quality Report is based on the individual samples from California and Arizona weighted by production.
Data shown in the USW Crop Quality Report is based on composite sample averages. The overall average values are weighted by the number of samples received from each region. Sampling in the PNW is generally correlated to regional production. Individual samples are used to create the distributions shown in the USW Crop Quality Report.
Data shown in the USW Crop Quality Report is based on composite sample averages. The overall average values are based on composite results weighted by production of the states surveyed. Individual samples are used to create the distributions shown in the USW Crop Quality Report.