

FY27 Herbicide Resistance Survey

Collection kit includes one (1) pre-paid USPS envelope, one (1) submission form, and four (4) small collection envelopes with blank labels.

Survey Goal – Report to submitters if weeds contain genetic markers associated with resistance to Groups 2, 9, and 14 herbicides. Current genetic tests work only on **PIGWEEEDS and KOCHIA**. Optional – include leaves from one **wild oat or green foxtail** plant for future test development.

Collection Approach – You can: 1) test individual weed patches within one field, or 2) survey multiple fields by testing one weed patch per field. Only add leaves from one (1) plant per small collection envelope.

Collection Instructions

Direct any sampling questions to NAGC
research@genotypingcenter.com
701-239-1451

1. Locate pigweeds and/or kochia in the field.
Proper ID of species is important before collecting samples.
2. Collect two leaves near the top of the plant. Place two (2) leaves from one plant into one (1) small envelope. **Do NOT** mix leaves from multiple plants in the small envelopes.
3. Label the small envelope with a unique Sample ID. The Sample ID can be in the following format: **Year-Month-County-Personal Field ID** (Example: 24-05-Cass-SE4). Make sure to also write the Sample ID on the submission form below.
4. Locate additional patches of pigweeds or kochia in fields of your choice and follow Steps 2 and 3 to use all small envelopes within the collection kit.
5. Return form along with the small envelopes using the pre-paid USPS envelope. Keep samples dry and at room temperature before shipping via USPS.

Results will be sent to only the email addresses listed on the submission form below. The report will come from an automated system (noreply@nagc.limsplus.com), which might be in your spam folder. Statewide results will be summarized at the end of the season, but no personal information or exact locations will be released.

Submission Form

Submitter Information

Name: _____

Phone: _____

Email(s): _____

Collaborators



Envelope	Sample ID [Year-Month-County-Field Description] Example [26-06-Burleigh-SE4]	Kochia or Pigweed	State	Crop	Herbicide(s) applied to weeds/field
1					
2					
3					
4 Optional		Wild Oat or Green Foxtail			

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