



2019 Combine Weed Seed Collection Project

University of Wisconsin-Madison Cropping Systems Weed Science

Collaborator's name: _____

County: _____

Contact information (phone and/or email): _____

Combine Information

How many acres were/will be harvested with this combine in 2019? Small Grains = _____ Soybeans = _____ Corn = _____

What percentage (rough estimate) of acres harvested with this combine were/are infested with weeds? Small Grains = _____ Soybeans = _____ Corn = _____

Please list the primary observed weeds in the infested fields: _____

What head (**corn** or **soybean**) was on when samples were taken? _____

Are you concerned about weed seed movement through combines (**Y/N**)? _____

Do you clean this combine between harvesting fields (**Y/N**)? _____

Samples to be collected (4 total): Head Feeder House Rock Trap Rotor Area Below Cylinder



Sampling Procedure:

Safety First. Before collecting any samples, read and follow all safety instructions included with combine, ensure combine parking brake is engaged, engine is turned off, and all moving parts have stopped.

Follow this link for a video detailing the sampling procedure: <https://vimeo.com/374533967>

Sample 1. Corn Head or Soybean Platform:

- Ensure combine feeder house hydraulic cylinder is locked and secured for safety. Select 1 row (or small area of soybean platform) that is representative of the cleanliness of the combine head. Collect loose material into 1 gallon Ziploc plastic bag and label accordingly.

Sample 2. Feeder House:

- Remove head from combine. Ensure feeder house hydraulic cylinder is locked and secured for safety. Remove large debris such as stalks and cobs. Collect loose material closest to the edge, place into 1 gallon Ziploc plastic bag and label accordingly.

Sample 3. Rock Trap:

- Ensure feeder house hydraulic cylinder is locked and secured for safety. Remove large debris such as stalks and cobs. Collect loose material from the edge, nearest to the door cover. Place into 1 gallon Ziploc plastic bag and label accordingly.

Sample 4. Rotor Area Below Cylinder:

- Remove door cover and collect 3 representative handfuls of loose material and debris. Place into 1 gallon Ziploc plastic bag and label accordingly.

Questions? Contact Us!

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Send Samples to:

Nick Arneson

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This photo was taken during our instructional video.

The combine was fresh out of harvesting a corn field near Arlington, Wisconsin.

Note the amount of weed seeds near the gathering chains.

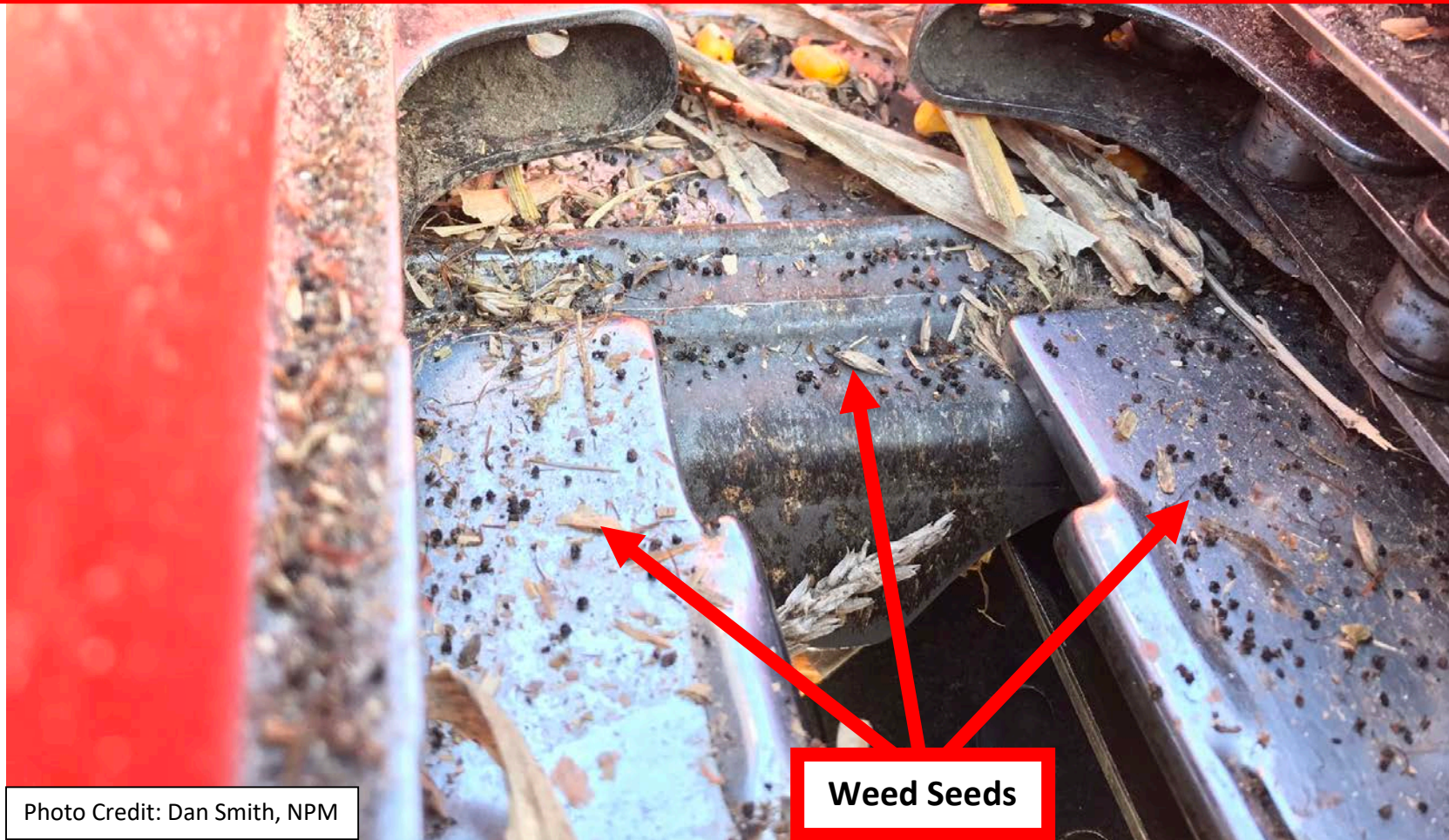


Photo Credit: Dan Smith, NPM

