**WiscWeeds Marestail Herbicide Resistance Screening Project**

**University of Wisconsin-Madison Cropping Systems Weed Science**

**SAMPLE ID:\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Farmer’s name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Collaborator’s name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Farmer’s contact information: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Collaborator’s contact information: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Field GPS coordinates & address: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Field Soil information: OM: \_\_\_\_% , pH \_\_\_\_ , Texture: Sand \_\_\_\_ % , Silt \_\_\_\_ % , Clay \_\_\_\_ %**

**Field History Information**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Year** | **Crop** | **Tillage (YES/NO)** | **Manure**  **(YES/NO)** | **PRE-Emergence**  **Herbicide Program** | **POST-Emergence**  **Herbicide Program** | **Marestail distribution**  **(e.g., edges, entire field)** | **Marestail infestation**  **(e.g., low, medium, high)** |
| **2015** | Crop:  Planting date:  Harvest date: | Date(s) & type(s): |  | Product:  Rate:  Date: | Product:  Rate:  Date: |  |  |
| **2016** | Crop:  Planting date:  Harvest date: | Date(s) & type(s): |  | Product:  Rate:  Date: | Product:  Rate:  Date: |  |  |
| **2017** | Crop:  Planting date:  Harvest date: | Date(s) & type(s): |  | Product:  Rate:  Date: | Product:  Rate:  Date: |  |  |
| **2018** | Crop:  Planting date:  Harvest date: | Date(s) & type(s): |  | Product:  Rate:  Date: | Product:  Rate:  Date: |  |  |
| **2019** | Crop:  Planting date:  Harvest date: | Date(s) & type(s): |  | Product:  Rate:  Date: | Product:  Rate:  Date: |  |  |

****

**Additional Information/Observations:**  **WiscWeeds Marestail Herbicide Resistance Screening Project**

**University of Wisconsin-Madison Cropping Systems Weed Science**

**Seed Collection Protocol:**

* **Collect seed heads from 20 mature marestail (also known as horseweed) plants. Collect plants as far apart as possible within the field to represent the population.**
* **Place all seed heads from the same field in the same paper bag (leave paper bags open until samples are dry).**
* **Properly ID the sample bag and fill out the “Field History Form”. Crop management and herbicide information are crucial for our research. Weed distribution and density within a field will be a “polite guess”. For sample ID, use county and farmer’s name.**
* **Store the samples in a dry environment. Please mail samples to Rodrigo Werle, 1575 Linden Drive, Madison, WI 53706.**
* **For questions, contact Dr. Werle:** [**rwerle@wisc.edu**](mailto:rwerle@wisc.edu) **or 608-262-7130 (**[**www.wiscweeds.info**](http://www.wiscweeds.info)**).**

** **  

****

