



**Charles Sturt
University**

**SCHOOL OF AGRICULTURAL
AND WINE SCIENCES**
FACULTY OF SCIENCE
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As part of a new GRDC project (Expanding grain production in Coastal NSW through improved weed management) Charles Sturt University is to conduct a survey across coastal northern New South Wales to determine the extent of herbicide resistance in this farming system. Sample collection is planned to occur at the end of summer 2022 and the herbicide resistance screening to take place in 2022 and 2023.

During this survey we plan to visit identified summer crop paddocks prior to harvest and collect weed seed, if present, of the following target species: barnyard grass, liverseed grass, crowsfoot, feathertop Rhodes grass, bellvine, fleabane and sow thistle. We then test these samples to specific, pre-determined herbicides to determine their resistance status and the extent of herbicide resistance across the surveyed district.

The aim of this survey is to visit and sample approximately 50 paddocks within the northern coastal NSW grain growing region. We would like your assistance in selecting these paddocks. The results from the resistance screening of the paddock would be made available to the farmer and agronomist later in the project.

The CSU team plans to undertake the bulk of sampling just prior to summer harvest, when weed seeds are mature. In order to maximise efficiency of weed seed collection we would ask that interested participants complete the attached authority form. The farmer will receive a text message from the samplers the day before the sampling is due to occur letting them know when we will be sampling. If none of the weed species to be collected are present we do not select another paddock, rather we report this finding as a survey location free of target weeds.

Thanks

A handwritten signature in black ink, appearing to read 'John Broster'.

John Broster

Property No: (CSU use only)

Please be aware that by completing this form you are giving Charles Sturt University staff permission to enter your property for the purpose of collecting weed seeds prior to the 2022 grain harvest. The data obtained will be used in presentations (e.g. GRDC Updates, local field days) and publications and the seed collected may be used for further research.

Farmer name			
Mobile No		Email	
Agronomist name			
Mobile No		Email	

2021/22 summer crop being targeted									
Soybean		Mungbean		Maize		Sorghum		Summer fallow	
Approximate harvest date									

Seed to be collected by CSU		Seed collected by grower/agronomist	
Approval for CSU staff to enter paddock			
Farmer/agronomist signature:			

Property location

Nearest town:

GPS co-ordinates (preferred) or Directions:

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Property map attached: Yes / No

Targeted paddock marked: Yes / No

Please forward completed forms to
Herbicide Resistance Testing, School of Agricultural and Wine Sciences, Charles Sturt University,
Locked Bag 588, Wagga Wagga, NSW, 2678.
Fax: +61 2 6933 4001 Email: jbroster@csu.edu.au