

Breeder cooperation in DUS examination in SA

➤ Administrative PBR office in Pretoria

- Technical evaluation centres at Roodeplaat in Gauteng & Stellenbosch, Western Cape with satellite stations in Nelspruit, Mpumalanga & Addo, Eastern Cape.
- Both the two main centres have facilities for the evaluation of PBR applications.



Breeder cooperation in DUS examination in SA

- Trials are established using the Technical Questionnaires to determine the standards from a database for ALL Crops.
- These trials are planted with the principles as set out in TGP 8, Trial Design & Techniques used in the examination of DUS.
- DUS evaluations are done by experienced DUS examiners working for the Department of Agriculture, Forestry & Fisheries for ALL crops that we evaluate.
- Trials are established in either one of the two testing stations, Breeder's are contacted if there are any problems with regard to Technical Questionnaires or during the evaluation of the applications.

Breeder cooperation in DUS examination in SA

- Ornamental Crops
- Ornamental applications are described at the Testing Centres, apart from describing at the Centres evaluations include visiting appropriate nurseries & Breeders of similar varieties for comparative standards.
- Roses , Protea & Fynbos trials are evaluated at the premises of the Breeders.



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Breeder cooperation in DUS examination in SA

- **Fruit Crops**
- Trials are evaluated at the premises of the Breeders.
- Reference Collections are used for comparative standards.
- DUS examiners & Breeders are in close contact with the establishment of the trial sites.
- Breeders cooperate in establishing close standards if necessary, furthermore for problem cases the applications & standards are planted together at the Evaluation Centers.



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➤ Vegetable and Agricultural crops

- Trials are established at either one of the two testing stations, Breeder's are contacted if there are any problems with regard to Technical Questionnaires or during the evaluation of the applications.
- In some cases trials are duplicated at the premises of the Breeders to the advantage of both the DUS Examiner & the Breeder.



5

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➤ Variety Collections

- The establishment & maintenance of Variety Collections is an ongoing challenge considering the size and different climatic conditions that we have in SA.
- Variety collections are established with the cooperation of Breeders & in some cases on their premises.
- A Stone Fruit Reference Collection has recently been established in collaboration with the Agricultural Research Council on their premises.
- The Kiwi fruit Reference Collection was a joint venture between the Department and the Kiwi fruit Industry.

6

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Breeder cooperation in DUS examination in SA

- In SA the emphasis is towards a breeder based testing system for fruit & ornamental crops, necessitating close cooperation between the DUS examiner & the Breeder.
- Advantages for the Breeders of describing on their premises are obvious, as soon as they have decided that they want to apply for a variety & the material is ready, the DUS test can commence, shortening the evaluation period & for some crops this is essential.



7

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- The biggest advantage for the Department of Agriculture is the saving in costs on trial sites.
- This way of evaluation does pose some challenges for the DUS evaluators, the most obvious is the great distances that are travelled on a monthly basis.

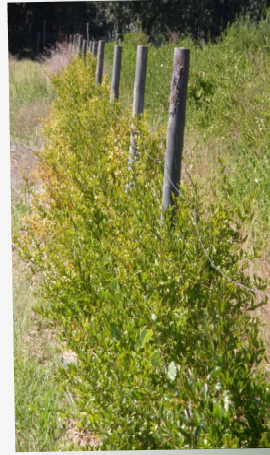


8

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➤ Thank you for your attention !



9

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