

Details of Application

Application Number 2008/111
Variety Name 'WGP3'
Genus Species *Cynodon dactylon*
Common Name Couchgrass
Synonym Nil
Accepted Date 6 Jun 2008
Applicant Ozbreed Pty Ltd
Agent N/A
Qualified Person Ian Paananen

Details of Comparative Trial

Location Clarendon, NSW.
Descriptor *Cynodon* (*Cynodon dactylon* x *C. transvaalensis*) PBR CYNO.
Period Jan 2008 – May 2008.
Conditions Trial conducted in open beds, plants propagated from cuttings, planted into 200mm pots filled with soilless potting mix, nutrition maintained with slow release and liquid fertilisers, irrigation by overhead watering, pest and disease treatments not required. Plants trimmed 10 weeks before assessment.
Trial Design Thirty pots of each variety arranged in a completely randomised design.
Measurements From ten plants at random.
RHS Chart - edition 2007.

Origin and Breeding

Open pollination followed by seedling selection: seed parent *Cynodon dactylon* (cultivars present included 'Wintergreen', 'Greenlees Park' and 'C1'). The seed parent is characterised by a large number of inflorescences produced on each plant. Selection took place in Clarendon, NSW in 2008. Selection criteria: fast speed of growth, strong sod strength, low seed head production, dark leaf colour, disease free. Propagation: vegetative, cuttings and division are found to be uniform and stable. Breeder: Todd Layt, Clarendon, NSW. All work was carried out at Clarendon, NSW.

Choice of Comparators Characteristics used for grouping varieties to identify the most similar Variety of Common Knowledge

| Organ/Plant Part | Context | State of Expression in Group of Varieties |
|-------------------------|----------------|--|
| Plant | habit | creeping |
| Plant | height | short |
| Culms | length | short |
| Leaf blade | shape | linear-triangular |
| Leaf blade | presentation | horizontal |
| Ligule | appearance | short |

Most Similar Varieties of Common Knowledge identified (VCK)

| Name | Comments |
|---------------------|----------|
| 'Riley's Evergreen' | |
| 'Winter Gem' | |

Varieties of Common Knowledge identified and subsequently excluded

| Variety | Distinguishing Characteristics | State of Expression in Candidate Variety | State of Expression in Comparator Variety | Comments |
|-----------------------|--------------------------------|--|---|---|
| 'Greenlees Park' | Plant number of inflorescences | very low | high | |
| 'RR1' | Plant number of inflorescences | very low | high | trial variety included in early tests to prove distinctness |
| 'C1' | Plant number of inflorescences | very low | high | |
| 'Oz-E-Green' | Plant number of inflorescences | very low | high | |
| 'Riley's Super Sport' | Plant number of inflorescences | very low | high | |
| 'TL1' | Plant number of inflorescences | very low | high | |
| 'JT1' | Plant number of inflorescences | very low | high | |
| 'LTA' | Plant number of inflorescences | very low | high | |
| 'CH' | Stolon length | medium to long | short to medium | |
| 'CT2' | Plant density of shoot | medium | strong | |
| 'Windsor Green' | Plant density of shoots | medium | strong | |
| 'Santa Ana' | Stolon length of internodes | medium | very short | |
| 'Plateau' | Stolon length of internodes | medium | very short | |
| 'Grand Prix' | Stolon length of internodes | medium | very short | |

Variety Description and Distinctness - Characteristics which distinguish the candidate from one or more of the comparators are marked with a tick.

| Organ/Plant Part: Context | 'WGP3' | 'Riley's Evergreen' | 'Winter Gem' |
|-----------------------------|-------------|---------------------|-----------------|
| Plant: habit | creeping | creeping | creeping |
| Plant: type | mat forming | mat forming | mat forming |
| Plant: height | short | short | short |
| Plant: longevity | perennial | perennial | perennial |
| Stolon: internode length | medium | medium | short to medium |
| Stolon: internode thickness | medium | medium | medium |

| | | | |
|---|-------------------|----------------------------|---------------------|
| Stolon: colour when exposed to sunlight | 166A | 177B | 148A |
| Culms: length | short | short | short |
| Leaf blade: shape | linear-triangular | linear-triangular | linear-triangular |
| Leaf blade: length | short | medium | medium |
| Leaf blade: width | broad | broad | medium |
| Leaf blade: colour | 146A | 146B | 146B |
| Ligule: appearance | short | short | short |
| Inflorescence: type | digitate raceme | digitate raceme | digitate raceme |
| Inflorescence: maximum number of spikes | 4 | 5 | 3 |
| Inflorescence: minimum number of spikes | 3 | 4 | 2 |
| Leaf blade: presentation | horizontal | horizontal | horizontal |
| Leaf blade: apex | narrow acute | narrow acute | narrow acute |
| <u>Characteristics Additional to the Descriptor/TG</u> | | | |
| Organ/Plant Part: Context | ‘WGP3’ | ‘Riley’s Evergreen’ | ‘Winter Gem’ |
| Plant: number of inflorescences | very low | low | low |

Prior Applications and Sales

Nil.

Description: **Ian Paananen**, Crop & Nursery Services, Central Coast, NSW.