Prior Applications and Sales

First sold Australia 1996

Description: **Kim Menzies**, Kenthurst, NSW.

Table 37 *Rosmarinus* varieties

	'Scentuous Blue'	*'Benenden Blue'	* *R. officinalis*
GROWTH HABIT			
	upright compact bushy	semi-prostrate sprawling	upright compact slender
PLANT WIDTH (mm)- through central axis apical to apical			
mean	262.5	366.5	149.5
std deviation	23.98	15.93	11.27
LSD/sig	38.95	P≤0.01	P≤0.01
PLANT HEIGHT: WIDTH RATIO			
mean	0.97	0.75	1.73
std deviation	0.08	0.06	0.16
LSD/sig	0.22	ns	P≤0.01
NUMBER UPRIGHT STEMS - from central axis			
mean	14.7	0.6	7.4
std deviation	0.53	0.30	1.40
LSD/sig	1.12	P≤.01	P≤0.01
STEM INTERNODE LENGTH (mm) - 100mm from apical			
mean	17.6	9.0	14.4
std deviation	0.55	0.13	0.57
LSD/sig	1.02	P≤0.01	P≤0.01
LEAF LENGTH - largest at 4th node			
mean	19.4	14.1	22.1
std deviation	0.77	0.87	0.56
LSD/sig	0.82	P≤0.01	P≤0.01
LEAF WIDTH (mm) - largest at 4th node			
mean	2.1	2.7	2.5
std deviation	0.06	0.16	0.05
LSD/sig	0.27	P≤0.01	P≤0.01
LEAF COLOUR - (RHS)			
upperside	137B	147A	137A
lowerside			
small-med	157B	155C	155C
expanded	157A	157B	157B
LEAF PUBESCENCE - small to medium leaves			
upperside	tufty medium	tufty sparse	tufty dense
lowerside	medium	dense	dense
INFLORESCENCE NUMBER RACEMES PER PLANT at 10/9/97 - raceme development visible to fully expanded			
mean	139.5	1.2	12.3
std deviation	26.05	1.14	10.49
LSD/sig	35.63	P≤0.01	P≤0.01
FLOWER COROLLA COLOUR - (RHS)			
new to open	92B	92A 94B anterior midlobe	92D
aging to	92A	93B	92D
COLOUR ANTERIOR MIDLOBE MARKINGS - (RHS)			
new to open	90A-93B	93A striated 93B speckled	91A
aging to	90B	93B	92B
LENGTH STAMENS IN RELATION TO STYLE			
	very much shorter	shorter	very much shorter to shorter
COLOUR STYLE - (RHS)			
new to open	90A	93B	92A
aging to	90B	93C	92B

WHEAT
Triticum aestivum

'Baxter' syn QT 6258 Res

Application No: 97 /283 Accepted: 4 Nov 1997.
Applicant: **The State of Queensland through its Department of Primary Industries,** Brisbane, QLD and **Grains Research and Development Corporation,** Canberra, ACT.

Description (Table 38, Figure 55) Plant: spring wheat, habit intermediate to semi-prostrate during tillering, height medium, maturity medium. Stem: pith thin. Leaf: flag leaf recurved, flag leaf ligule anthocyanin absent or very weak, flag leaf sheath glaucosity strong. Ear: density medium, length long, shape in profile tapering, colour white, glaucosity weak, awns present length medium. Floret: lower glume beak length medium, lower glume shoulder narrow, lower glume shoulder straight to elevated. Grain: white and hard. Angle of ear at maturity greater than 90° from vertical. Disease resistance: resistant to stem rust (*Sr2, Sr30, Sr36* (heterogeneous)) and leaf rust (*Lr3, Lr13?*), moderately resistant to stripe rust (*YrA, YrAPR*) , very highly tolerant to root lesion nematode (RLN, *Pratylenchus thorneii*), moderately resistant to susceptible to crown rot (*Fusarium graminearum* (Group 1)).

Origin Controlled pollination: 'Inia 66'/'Gamut'//'Cook'/4/ 'Jupateco'/3/'Lerma Rojo' 64/'Sonora 64A'//'Timgalen' sib, 1984. Selected through 10 generations, comprising pedigree selection, field performance testing, and milling, baking quality and disease resistance evaluation. Breeders: P S Brennan and P M Banks, Department of Primary Industries, Toowoomba, QLD. Selection criteria: high yield, good agronomic, milling and end-product quality characteristics, high disease resistance and high RLN tolerance. Propagation: seed produced by self-pollination through at least two generations.

Comparative Trial Comparator(s): 'Cunningham', 'Sunco', 'Sunvale'. Location: Wellcamp Farm, Wellcamp, Jondaryan shire, QLD, Jul 1997 - Nov 1997. Conditions: plants were raised in well fertilised, irrigated soil in open beds. Trial design: Plots of approximately 1000 plants each of 'Baxter' and 200 plants each of comparators, arranged in a randomised block with two replications. Measurements: taken from 10 specimens selected at random from each plot.

Prior Application and Sales nil.

Description: **Tony Done, Queensland Wheat Research Institute,** Toowoomba, QLD.

Table 38 *Triticum* varieties

	'Baxter'	*'Cunning-ham	*'Sunco'	*'Sunvale'
PLANT HEIGHT (awns, ears and stems)(cm)				
mean	106	94	88	88
std deviation	2.9	3.0	1.5	3.0
LSD/sig	4.5	P≤0.01	P≤0.01	P≤0.01
EAR LENGTH (excluding awns)(mm)				
mean	102	97	95	94
std deviation	7.0	4.1	5.9	3.1
LSD/sig	4.5	P≤0.01	P≤0.01	P≤0.01
AWN LENGTH (at ear tip)(mm)				
mean	56	53	47	47
std deviation	5.8	3.8	3.6	4.6
LSD/sig	4.7	ns	P≤0.01	P≤0.01
LOWER GLUME BEAK LENGTH(mm)				
mean	5.2	5.4	6.6	11.8
std deviation	0.75	0.81	1.23	1.67
LSD/sig	1.08	ns	P≤0.01	P≤0.01
ANGLE OF EARS AT MATURITY (degrees from vertical)				
mean	>90	< 90	< 90	< 90

'Giles' syn QT 6581

Application No: 97 /282 Accepted: 4 Nov 1997.
Applicant: **The State of Queensland through its Department of Primary Industries,** Brisbane, QLD.
and **Grains Research and Development Corporation,** Canberra, ACT.

Description (Table 39, Figure 54) Plant: spring wheat, habit semi-erect during tillering, height medium (93 cm, with off-types), maturity medium. Stem: pith thin to medium. Leaf: flag leaf recurved to strongly recurved, flag leaf ligule anthocyanin absent or very weak, flag leaf sheath glaucosity medium. Ear: density medium to dense, length long, shape in profile parallel, colour white, glaucosity medium, awns present, length medium. Floret: lower glume beak length medium, lower glume shoulder absent or very weak to narrow. Grain: white and hard.

Origin Controlled pollination: 'Janz'/'Vulcan', 1986. Selected through 8 generations, comprising pedigree selection, field performance testing and milling, baking quality and disease resistance evaluation. Breeders: P S Brennan and P M Banks, Department of Primary Industries, Toowoomba, QLD. Selection criteria: high yield, good agronomic characteristics and high disease resistance. Propagation: seed produced by self-pollination through at least two generations.

Comparative Trial(s) Comparator(s): 'Batavia', 'Cunningham', 'Sunco', 'Sunvale', 'Sturt'. Location: Wellcamp Farm, Wellcamp, Jondaryan shire, QLD, Jul 1997 - Nov 1997. Conditions: plants were raised in well fertilised, irrigated soil in open beds. Trial design: plots of approximately 1000 plants each of 'Giles' and 200 plants each of comparators, arranged in a randomised block with two replications. Measurements: taken from 10 specimens selected at random from each plot. Comparisons with 'Sturt' were not made in the main trial, but in another replicated trial at the Queensland Wheat Research Institute, Toowoomba, during a similar growing period in the same year.

Prior Application and Sales nil.

Description: **Tony Done, Queensland Wheat Research Institute,** Toowoomba, QLD.

Table 39 *Triticum* varieties

	'Giles'	*'Sturt'	*'Batavia'	*'Cunningham'	*'Sunco'	*'Sunvale'
EAR LENGTH (excluding awns) (mm)						
mean	93 (114)[1]	(118)	120	97	95	94
std deviation	4.6 (5.3)	(4.7)	8.1	4.1	5.9	3.1
LSD/sig	4.5 (18.7)	(ns)	P≤0.01	ns	ns	ns
AWN LENGTH (at ear tip)(mm)						
mean	56 (64)	(62)	56	54	47	47
std deviation	4.8 (2.2)	(4.2)	4.3	3.8	3.6	4.6
LSD/sig	4.7 (5.5)	(ns)	ns	ns	P≤0.01	P≤0.01
LOWER GLUME BEAK LENGTH(mm)						
mean	7.4 (7.4)	(3.1)	3.2	5.4	6.6	11.8
std deviation	0.98 (0.91)	(0.60)	0.38	0.81	1.23	1.67
LSD/sig	1.08 (1.44)	(P≤0.01)	P≤0.01	P≤0.01	ns	P≤0.01

[1]Values in brackets are derived from the Toowoomba trial.