



Souwest pasture mix

# Pasture Growers Guide 2017

WA's Leading Distributor of Seed for

Improved Pasture Production

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**Irwin Hunter & Co are suppliers of quality pasture seeds that have been produced by specialist seed production farmers under accredited seed certification systems from domestic and international programs. This ensures varietal and genetic integrity providing you as a purchaser with product that is true to type and has consistency in its performance in line with its description. Buying inferior seed is false economy and is putting your future pasture and animal production at risk.**

Varieties suited to Annual pasture systems where optimal production is required over the period of one growing season that can be used for grazing, silage and hay.			Annual, Bi-ennial and Perennial ryegrass diagrams show the approximate flowering time where sown in mid-May in Western Australian growing conditions. The heading time will vary relative to seasonal rainfall, soil types, soil nutrition and management, however they should remain relative to each other where sown in the same environment and managed the same.			Rainfall in mm			
Annual Diploid Ryegrass		Sowing rate kgs/ha	Product Description		Days to flowering relative to Dargo = (0)		300	400	500
SAFEGUARD	ARGT resistant ryegrass for reducing risk of ARGT poisoning	8 to 15	Safeguard: ARGT resistant Hybrid ryegrass. Very early flowering with significantly more dry matter production than Wimmera. Suited to the Wheatbelt areas or where ARGT poisoning is a likely occurrence. Option for crop disease break for Take All and Cereal Cyst nematode. Safeguard is the only commercially available ARGT resistant ryegrass.		Safeguard	-25	350		
DARGO	Proven performance from Esperance to Geraldton	15 to 30	Dargo: Consistent performer year on year. Annual ryegrass with high winter, early spring yields. Good rust tolerance. Adaptable to a wide range of soils. Is well proven from Esperance to Geraldton in rainfall over 450mm.			0	Dargo 450		
ARISTOCRAT II	Optimal production over full growing season	20 to 30	Aristocrat II: A new and exciting Australian bred annual ryegrass with excellent yields through winter and spring. Very high rust tolerance and feed quality through whole growing season. Adaptable to a wide range of soils.			Aristocrat II	plus 19	500+	

Annual Tetraploid Ryegrass	Sowing rate kgs/ha	Product Description					
NEW TETILA	Improved performer over Tetila	25 to 35	Astound	0	Tetila	350	
ASTOUND	Excellent winter early spring production	25 to 35		plus 1		400+	
BURST	Fast establishing excellent early season production	25 to 35		plus 4	Burst	450+	
ABUNDANT	Excellent performer from Esperance to Perth. Optimal full season production. Stays green longer.	25 to 35		plus 14	Abundant	500+	

Mixes: Below are the mix descriptions and shaded bands indicating the approximate maturities for mixes sown about mid-May. The maturity time, (heading), will vary relative to seasonal rainfall, soil types, soil nutrition and management. These mixes have been developed to provide optimum production over the growing period using a combination of selected varieties that have proven adaptability to WA conditions. Darker portion of shaded area indicates approximate maturity time. e.g. Silahay around mid-September to mid-October.

Specialist seed mixes	Sowing rate kgs/ha	Product Description	Approximate period of flowering				Rainfall in mm		
			August	September	October	November	300	400	500
SELF REGENERATION MIX	Safeguard ARGT resistant ryegrass base plus clovers for high quality pasture	12 to 15	Self regeneration mix: Safeguard ARGT Resistant ryegrass; Dalkeith and Urana sub clovers; Border balansa; Hykon Rose clover. Suited for sowing in areas where Wimmera exists and farmers wish to reduce the risk of ARGT poisoning. Suited across a wide range of soil types. The timing of seed head emergence can be manipulated to coincide with the existing Wimmera population through grazing or mowing.				350		
SILAHAY MIX <sup>TM</sup>	High production mix of ryegrass and clovers for grazing, silage & hay	15 to 25	Silahay mix: Abundant; Dargo; Balansa clover; Persian clover: This mix is suited to a wide range of soil types and rainfall zones above 450mm. Suited to grazing, silage or hay. This mix has approximately 25% more seeds per ha where sown at 25kg/ha compared to Tetraploid based mixes.				450+		
ANNUAL RYEGRASS MIX	Top yielding ryegrasses for grazing, silage or hay	15 to 30	Annual ryegrass mix containing our leading Diploid and Tetraploid varieties. Proven varieties blended to achieve a higher level of production over the total growing season using early to mid-late season maturing varieties.				450+		
INTEROW MIX <sup>TM</sup>	For Vineyards, Orchards. Suppress weeds, attracts beneficial insects.	30 to 40	Interow mix is a blend of perennial grasses, subterranean and aerial seed clovers that will provide good ground cover, reduce erosion, attract beneficial insects, provides nitrogen fixation and suppresses weeds. Interow increases the retention of nutrients through increased levels of organic matter over time.				500+		
SOUWEST PASTURE MIX <sup>TM</sup>	Adaptable mix across a wide range of soils suitable for grazing and regeneration	15 to 25	Souwest Pasture mix: Roper perennial ryegrass; Annual ryegrass; Black and White seeded sub clovers; Balansa, Persian, Crimson and Arrowleaf clovers: Ideal mix for dryland sowing. Suited for grazing, silage or hay. Can be manipulated for seed set therefore providing pasture over subsequent years.				500+		

**Most varieties listed on this pasture guide are protected under the Plant Breeders Rights Act 1994 and amendments. Unauthorised commercial propagation or sale of these varieties is an infringement under the Plant Breeders Act.**



Roper perennial grass



Burst Tetraploid annual ryegrass

Short term pasture varieties are suited where production is required over a one to two year period. These varieties generally produce similar yields to annual pasture through winter and spring and will continue to produce through summer and autumn where there is irrigation. Short term pastures can be used as a transition towards a more permanent pasture option. Perennial pasture varieties will generally produce less than annual and short term pastures in the winter / spring period but come into their own over the summer / autumn periods under irrigation. These varieties are suited to grazing and silage and should not be taken for hay as this will disrupt their potential summer autumn production potential.		Sowing rate kg/ha		Product Description		Days to heading relative to Mui = (0)		Rainfall in mm		
Short term (Bi-ennials) and Perennial ryegrass varieties								300	400	500
JACKPOT <sup>NEW</sup>	Improved diploid type. Excellent production through main growing periods	15 to 25	Jackpot: New diploid that supersedes Icon. Increased winter and spring production with good potential to grow into the second year under irrigation. Finer leaved producing high quality forage.	+22	Jackpot	Mona Very late maturity	+28	450+	450+	550+
MONA TETRAPOID ITALIAN <sup>NEW</sup>	Improved Tetraploid for increased production in all seasons	20 to 30								550+
ROPER PERENNIAL	Excellent dryland perennial option where managed for regeneration in following years	15 to 25								
BOLTON PERENNIAL	Improved winter spring production over Victorian ryegrass	20 to 30								
PGONE50 PERENNIAL	High tiller density producing high quality feed. Use under irrigation	25 to 30	PGOne50: A late flowering, fine leaved perennial ryegrass providing quality feed into the late spring-summer period where other varieties have gone reproductive. Very high yielder under irrigation. New elite genetics give greater heat tolerance in WA. Excellent all year round production.	+21	PGOne50	Irrigation mix	+21	450+	450+	550+
IRRIGATION MIX	Mixture of a high production perennial and white clovers	25 to 30	Irrigation mix: PGOne50 perennial ryegrasses, Tribute and Haifa white clovers: This mixture will give excellent production under irrigation for dairy and other livestock enterprises where all year round production is required.							550+

Sundry Grasses	Sowing rate kgs/ha	Perennial grass species with adaptability across a wide range of soils and rainfall zones. Some of these can be used as replacements for ryegrass pastures in the higher rainfall areas or specialist pasture situations where salinity issues need to be addressed			
PUCCINELLIA	Saline tolerant perennial	½ to 2	Salt tolerant perennial. Winter active once established, graze rotationally avoiding overgrazing in late spring-summer.		
UPLANDS COCKSFOOT <sup>NEW</sup>	Mediterranean fine leaved type tolerant of lower pH soils	4 to 5	Fine leaved cocksfoot that has exhibited tolerance to extended dry periods with good winter production. Has high tiller density and persists under grazing. Tolerant to lower pH soils that have low levels of aluminium.		
FLECHA TALL FESCUE	Winter active summer dormant	15 to 25	Mediterranean type (winter active summer dormant). Improved winter production and finer leaved than continental types. Highly winter active moving through to summer dormancy. Can be more tolerant of drier conditions in southern WA where managed appropriately.		
MISSION VELD T GRASS	Perennial option for sandy soils	1 to 3	Perennial grass suited to deep sands in moderate to high rainfall areas. Very palatable.		
TALL WHEAT GRASS	Saline tolerant perennial	6 to 10	Good summer producer once established that can be sown into saline areas with between 3 to 5 dS/m, (deci Seimens per metre). Ideal companion to Puccinellia.		
YARCK COCKSFOOT <sup>NEW</sup>	Mediterranean type winter active	4 to 5	Yarck cocksfoot is a mid season flowering Porto type that has been selected for short to medium growing environments. It exhibits good seedling vigour and establishment with strong winter production. Where summer moisture is available Yarck will continue to produce well through summer in the milder parts of WA.		
HUMMER TALL FESCUE MAXP	Summer active under high rainfall / irrigation	15 to 25	Continental type (summer active), early flowering with excellent winter and summer activity. Hummer exhibits soft leaves compared to older continental fescues therefore increasing palatability and animal intake. Sow early-mid autumn. Ensure frequent light grazings during establishment.		
SIROSA PHALARIS	Perennial option for acidic soils	2 to 6	Productive in the long term and easy to establish. Suits acidic soils in Southern WA. Rotationally graze through winter and early spring reducing pressure to allow seed set in mid late spring.		

Aerial seeded clovers	Sowing rate kgs/ha	Product Description	Coated seed of some varieties is available on request	80	Approximate days to flowering in Perth	90	100	110	120	130	140	150
CASBAH BISERRULA	Legume addition to pastures. Suited cropping rotations	3 to 6	Suitable for low rainfall areas and is recommended for most soil types. Casbah can cause photosensitisation in livestock during the spring period if sown as a monoculture.									
HYKON ROSE CLOVER	Tolerates acid sands	3 to 8	Early flowering semi-erect clover with high levels of hard seeds. Tolerates deep acid sands and an ideal alternative to serradella in lower pH soils.									
ARROWLEAF CLOVER	Deep rooted late flowering clover	3 to 10	Highly productive with deep root structure enabling excellent late spring/early summer growth. Adapted to deep acid sands. Suitable for grazing, hay and silage. Non bloatng.									
STRAWBERRY CLOVER	Tolerant of mild salinity, late producer	½ to 2	Perennial clover suited to waterlogged areas, tolerant to mild salinity and neutral to alkaline soils.									
CRIMSON CLOVER	Attractive flowers highly palatable	3 to 10	Soft seeded erect annual clover suited to medium-high rainfall areas. Produces a large amount of high quality forage in the late spring period and is adaptable to loam and gravelly soils.									
KYAMBRO PERSIAN CLOVER	Mid season flowering, high quality forage	3 to 6	Mid season flowering hard seeded Persian. Very persistent if allowed to re seed in first year. Handles wet conditions, has high quality forage and makes higher quality hay than Balansa. Suited to permanent pasture systems. Will tolerate limited salinity.									
PARADANA BALANSA	Suited to waterlogged situations	1 to 4	Hard seeded annual that exhibits high spring production and tolerates water logging. Will get limited regeneration if cut for late silage or hay. Suited to medium and high rainfall areas.									
SHAFTAL PERSIAN	Late flowering high quality forage	5 to 8	Large leaved erect soft seeded Persian clover offering excellent winter spring production. Suited to annual pasture systems. Handles medium waterlogged conditions, extremely palatable and high quality forage.									

Lucerne	Sowing rate kgs/ha	Adaptable species across a wide range of soils except where prone to waterlogging, that produces very high quality forage suitable for grazing and or hay										
ALPHA 1 <sup>NEW</sup>	Highly winter active (9) Australian bred	Dryland 4 to 10 Irrigation 10 to 20	Lucerne must be inoculated at the time of sowing with group AL which enables the plant to convert nitrogen from the air in a form that the plant can use. A minimum soil pH of 5.5 Cacl <sup>2</sup> is critical for the establishment of Lucerne and monitoring of soil pH is advantageous during the life of the stand	SGI Alpha 1 was selected for increased winter activity, fast establishment, improved disease, insect tolerance and DM yield with finer stems providing higher leaf to stem ratio. Adaptable to a wide range of soils, however will not tolerate waterlogged soils. Rotationally graze and reduce grazing pressure over summer to avoid grazing out the crown. Ideal for grazing and hay. Not pre-coated, more seeds per kg. Blue Ace replacement								
ICON	Winter activity (7) Australian bred, excellent hay	Dryland 4 to 10 Irrigation 10 to 20	Australian bred multi purpose variety selected for improved disease and insect tolerance, DM yield and persistence. Ideal for hay as Icon has high leaf to stem ratio therefore enhancing hay quality. Management the same as Alpha 1 Not pre-coated, more seeds per kg.									



Hykon Rose clover



Alpha 1 Lucerne