Coyote

- Very high yielding
- Wide adaptation
- Metribuzin tolerant
- Reduced risk of seed splitting compared with PBA Jurien$^{\Phi}$
- Susceptible to stem phomopsis
- Slightly slower maturity relative to PBA Jurien$^{\Phi}$

Breeder's comments

In 2016 AGT took over the responsibility of breeding lupins from the WA Department of Primary Industries and Regional Development (DPIRD). We accepted this challenge because we believe that grain legumes are a critical component of a healthy and sustainable WA farming system. Coyote$^{\Phi}$ is the first narrow-leaf lupin variety to be released by AGT, selected from the advanced germplasm licensed from DPIRD.

Importantly, Coyote$^{\Phi}$ offers a lower risk of split seed compared to PBA Jurien$^{\Phi}$ and some other varieties, which may help in reducing the risk of poor establishment the following season. Coyote$^{\Phi}$ has achieved very high yields compared to other commercially grown varieties and offers broad adaptation.

In high rainfall environments where sheep graze lupin stubble over the summer, it is advantageous to monitor crops in season for stem phomopsis. Where the risk of stem phomopsis is high, remove grazing livestock completely. Coyote's$^{\Phi}$ resistance to stem phomopsis is lower than Mandelup$^{\Phi}$, PBA Barlock$^{\Phi}$ and PBA Jurien$^{\Phi}$.

The naming convention we have selected for our lupin varieties is Western Australian gold mines, with 'Coyote' being a mine located in the Tanami Desert in the states north-east.

Coyote

Table 1. Specifications

Background

Tested as	WALAN2546
Released	2019
EPR rate	$3.00/tonne + GST

Performance

Grain yield	Please consult the NVT website for current data: https://nvt.grdc.com.au/

Disease

Anthracnose resistance*	MRMS
Cucumber Mosaic Virus resistance*	MRMS
Phomopsis (Pod Infection) resistance*	MRMS
Phomopsis (Stem Infection) resistance*	S
Sclerotinia Stem Rot resistance*	S (P)
Bean Yellow Mosaic Virus resistance*	MR (P)
Grey leaf spot resistance^	NA

Plant Characteristics

Maturity speed^	Quick
Sowing window^	Main & Late
Metribuzin tolerance^	T
Plant height^	Tall
Lodging tolerance^	MT

Grain Quality

Split seed tolerance^	TMT
Alkaloid content^	Very low

Legend

R	Resistant
MR	Moderately Resistant
MS	Moderately Susceptible
S	Susceptible
VS	Very Susceptible
T	Tolerant
MT	Moderately Tolerant
MI	Moderately Intolerant
I	Intolerant
VI	Very Intolerant
(P)	Provisional rating
NA	Not Available
/	Pathotype differences
-	Range
,	Mixed phenotype
#	May be more susceptible to alternate pathotypes
*	NVT consensus ratings 2025
o	Rating based on Germination Index Values
^	AGT ratings/data interpretation. Comprehensive AGT agronomic trait ratings and data can be found at: https://bit.ly/TraitRatings

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Seed Availability

Please contact an AGT Affiliate or your local retailer for seed. Consult the AGT website for AGT Affiliate contact details (www.agtbreeding.com.au/affiliates). AGT varieties can be traded between growers upon the completion of a License Agreement as part of AGT's Seed Sharing™ initiative (www.agtbreeding.com.au/seedsharing)

PBR and EPR

Varieties denoted by the ⍟ symbol are protected by Plant Breeders Rights (PBR) and all production (except seed saved for planting) is liable to an End Point Royalty (EPR), which funds future plant breeding. Growers of PBR protected varieties will be subject to a Grower License Agreement that acknowledges that an EPR must be paid on all production other than seed saved for planting.

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