

Australian Guar Company P/L  
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## Australian Guar Company (AGC)

### Summary of Features & Benefits for Guar Bean Industry in AgNorth CRC Zone

(Read in conjunction with Presentation)

#### ***Production Options for Guar Bean:***

- ✚ Grain
- ✚ Forage
- ✚ Green Manure / Cover Crops
- ✚ Hay & Silage
- ✚ Fresh Green Beans

#### ***Bi-Products from Guar Bean Production (Grain):***

- Protein Meal – 45% crude protein, 85% digestibility (Livestock) – 48% w/w bean
- Hull – Dust Suppressant / Soil Erosion Control Agent – 22% w/w bean
- Toasted Meal – Combined Protein & Hull Fraction (33% Protein – Diverse Livestock
- Guar Splits – Remaining 30% w/w bean. Export form for processing into Guar Gum.
- Guar Gum – Splits processed into Powder to form Vegetable Gum.

#### ***Uses for Guar Gum:***

- Only natural “frac gel” for Shale Oil & Gas extraction.
- Metal mining ore cleaning agents – remove unwanted fractions.
- Drilling mud viscosifying agent
- Explosives component
- Pet Food
- Dyes, paints, textiles
- Paper manufacturing
- Food, pharmaceuticals, cosmetics, personal care products
- Fire retardants

#### ***Benefits to Industries using Guar Gum:***

- ✓ Local, Australian Made product, traceability, clean/green, quality, consistency.
- ✓ Product support to match trait requirements with product stream supplied
- ✓ R&D into improving product quality requirements right back to variety selection and growing region choice.
- ✓ Competitive pricing, supply chain and inventory management.



### ***Benefits to Pastoral Operations:***

- ❖ Cash crop opportunity – rainfed or irrigated.
  - ❖ Access to high protein forage for grazing or hay/silage production.
  - ❖ Local availability of high quality, safe protein meal
  - ❖ Addition of affordable protein source for cattle operation.
  - ❖ Ability to drought proof operation, increase carrying capacity or turn-off rate
  - ❖ Capacity to include intensive feeding enterprise to diversify and manage market risks
- Knowledge of supplements integrated into business (no GM)

### ***Benefits to broader Agricultural sector:***

- Strengthen efficiency and justification for Feedlots and Meatworks investments.
- Develop other intensive feed industries into region – pigs, poultry, aquaculture
- Well adapted grain legume for reduced nitrogen fertiliser input
- Improved soil health for rotational crops
- Zero weed risk exposure from escapes (e.g. GM Roundup Ready Cotton seed)
- Low water use crop, extending available water resource over larger area
- Increased productivity in horticultural crops – cover cropping for melons.
- Low Pest pressure leading to reduced pesticide input or pressure on other crops.
- Full utilisation of fodder due to co competition with ferals (pigs / kangaroos)
- Low input costs, therefore, reduced exposure to seasonal risk (loss of investment)
- Combines to provide low environmental impact cropping option.

### ***Value to Regional / Remote Communities:***

- Strength & sustainability added to existing agribusiness operations
- Confidence in investing in community programs, infrastructure, future.
- New Industry development as consequence of sustainable agricultural enterprises.
- Infrastructure and employment opportunities and growth.
- Diversify business sectors present in communities to strengthen community fabric.
- Community growth with improved services and general infrastructure
- Retain families, industry and community for the long term.

### ***Importance to Australia:***

- ✓ Support local, regionally based industry and employment.
- ✓ Import replacement
- ✓ Significant potential for long-term export development and earnings capacity.
- ✓ Investment return on major infrastructure projects required to develop north.
- ✓ Environmentally sound and sustainable expansion of the energy sector
- ✓ Recognised partnership and appreciation across industries – good will.
- ✓ Support decentralisation of population and growth in importance of northern region
- ✓ Appropriate expansion giving significant increase in natural resource utilisation
- ✓ Ability to efficiently meet growth targets in agricultural & food production targets
- ✓ Service the growing demands from our Asian neighbours locally