

ESTIMATES COMMITTEE

Question Taken on Notice

Question Number: 3.1

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From: Kat McNamara

To: Hon Gerard Maley

Portfolio: Agriculture

Agency: Agriculture and Fisheries

Subject: Research Allocation Program

QUESTION: Names of the projects that relate to building climate resilience in the sector and how much they are funded.

ANSWER:

Project Name	Funding \$
Plant Industries	
Enhancing soil health and climate resilience in the Northern Territory	Total budget over 3.5 years \$996,000 DAF in-kind contribution \$173,154 Cash allocated for DAF \$229,000
Carbon Farming Outreach Program	Total budget over two years \$8.17M DAF in-kind contribution \$46,357 Cash allocated for DAF \$76,000
Next-generation weed management	Total budget over five years \$5.62M DAF cash & in-kind contribution \$1,932,287 Cash allocated for DAF \$2,056,157
Serviced Supply Chain II - Mangoes	Total budget over four years \$15M DAF cash contribution \$501,119 Cash allocated for DAF \$790,476
Addressing the fundamentals of cropping-systems that deliver sustainable growth of agriculture sector in the Northern Territory	Total budget over four years \$3.9M DAF cash contribution \$642,567

	Cash allocated for DAF \$2,597,067
Genetics for next generation orchards	Total budget over five years \$41M DAF in-kind contribution \$20,000 Cash allocated for DAF \$81,340
Tiwi Islands Community Forestry Pilot: Demonstrating sustainable native forestry business opportunities for remote Indigenous communities	Total budget over two years \$2M DAF in-kind contribution \$297,000 Cash allocated for DAF \$170,000
Support for new farm forestry, private native forestry and Indigenous forestry opportunities and assets in the Northern Territory (Grant)	Cash allocated for DAF over four years \$437,500
Great Northern Spices	Total budget over four years \$4,435,221 DAF in-kind contribution \$127,832 Cash allocated for DAF \$136,098
Sesame R&D Post-Harvest	Total budget over three years \$230,000 DAF in-kind contribution \$100,000 Cash allocated for DAF \$60,000
Industrial Hemp research program	Total budget over five years \$2M DAF in-kind contribution \$761,342 Cash allocated for DAF \$649,000
Developing ready to market jackfruit products for Australian market growth	DAF in-kind contribution over two years \$51,587 Cash allocated for DAF \$944,145
Novel research, development for vanilla propagation, production and product	Total budget over three years \$9,489,319 DAF cash & in-kind contribution \$526,164 Cash allocated for DAF \$972,476
Extension to build innovative culture and capability in the Australian mango industry	Total budget over five years \$1.8M DAF in-kind contribution \$110,000 Cash allocated for DAF \$120,000
Building Trust in Australian Agricultural Traceability and Credentials in Southeast Asia	Total budget over two years \$485,445 DAF in-kind contribution \$91,000 Cash allocated for DAF \$137,500

Mapping postharvest capabilities across the Asia-Pacific region	Total budget over one year \$206,355 DAF in-kind contribution \$6,560 Cash allocated for DAF \$26,242
Developing sustainable and diversified farming systems for the Northern Territory - Agave trials	Internal DAF allocation over 5 years \$63,843
Dragon-fruit and fingerlime industry development in the Northern Territory	Internal DAF allocation over 5 years \$49,344
How hot is too much? Assessing temperature thresholds of mangoes.	Internal DAF allocation over 5 years \$100,927
Closing the chapter on Pongamia	Internal DAF allocation over 5 years \$125,816
Passionfruit hybridisation project	Internal DAF allocation over 5 years \$38,688
Avocado variety trial at Katherine Research Station	Internal DAF allocation over 5 years \$30,325
Jujube and almond variety trials in central region	Internal DAF allocation over 5 years \$13,797
Dates germplasm management at AZRI	Internal DAF allocation over 5 years \$13,797
Rootstock and scion effect on mango fruit yield	Internal DAF allocation over 5 years \$596,262
Mango germplasm establishment at Coastal Plain Research Farm and Katherine Research Station	
Tissue Culture mangoes for improved orchards and disease-free propagation	
Investigating the effects of root pruning and cincturing on mango production	
Engagement with Nyirringgulung-RISE	Internal DAF allocation per year \$9,593
Alikarange Horticulture Project	Internal DAF allocation over 10 years \$32,745
Singleton Horticulture Project: Crop trials	Internal DAF allocation over five years \$13,797
PhD Research Projects	
<ol style="list-style-type: none"> 1. Socioecological challenges, risks, and prospects of intensive agricultural development in the Northern Territory 2. Crop monitoring through remote sensing applications in the Northern Territory 3. Unlocking the adaptive strategies of cotton under high soil temperature and nutrient scarcity stress 4. Recycling cotton, grain and cattle wastes to develop mushroom based circular economy in the Northern Territory 	

5. Enhancing the resilience of the Northern Territory's rain-fed cotton: A comprehensive approach to yield prediction and water management
6. Genetics investigations of the defence response of mangoes
7. Investigating the control of fruit drop in mango to support solutions for Australian growers
8. Managing mango orchards for future climates
9. Developing controlled atmospheric storage technology to facilitate domestic and international trade of mangoes

Livestock Industries

Station Smart - Rain Ready Rangelands 2.0	Cash allocated for DAF over one year \$179,500 DAF in-kind matching funds
Climate Smart Grazing	Cash allocated for DAF over two years \$48,000 DAF in-kind matching funds
Low methane feedbase project 1010	Cash allocated for DAF over four years \$455,071 DAF in-kind matching funds
Selecting for more methane efficient cattle	Cash allocated for DAF over four years \$396,000 DAF in-kind matching funds
Overcoming the Knowledge Gaps – Introduced legume establishment	Cash allocated for DAF over three years \$205,253 DAF in-kind matching funds
Northern Australian Climate Program (NACP)	Cash allocated for DAF over eight years \$41,800 DAF in-kind matching funds
VRD Carrying Capacity Project	Cash allocated for DAF over two years \$316,000 DAF in-kind matching funds
“Easy P” phosphorus supplementation project	Cash allocated for DAF over five years \$179,400 DAF in-kind matching funds
Crops for Cattle	Cash allocated for DAF over four years \$1,267,624
Crops for Cattle project additions: Virtual fencing and Reducing the impact of Buffalo Flies	DAF in-kind matching funds
Using supplements to repel buffalo flies and reduce skin lesions	Cash allocated for DAF over one year \$22,800 DAF in-kind matching funds
Mooternal	Cash allocated for DAF over four years \$340,980 DAF in-kind matching funds
Studies on the effectiveness and benefit of various insecticidal ear tags	Cash allocated for DAF per trial \$7,000
Virbac Phosfosol trial	Cash allocated for DAF per trial \$17,100

	DAF in-kind matching funds
Supply chain best practice to improve the health and welfare of free-range buffalo harvest in Arnhem Land – Northern Territory	Cash allocated for DAF over three years \$383,466 DAF in-kind matching funds
ZNE CRC Producer Demonstration Site	Cash allocated for DAF over four years \$396,000 DAF in-kind matching funds
Early Career Extension Program	Cash allocated for DAF per year \$120,000 DAF in-kind matching funds
Next Generation Land Managers 2.0 (Rangeland Management Courses)	Cash allocated for DAF per year \$47,850 DAF in-kind matching funds
FutureBeef collaboration	Cash allocated for DAF per year \$22,000 DAF in-kind matching funds
NT carrying capacity project	Internally DAF funded
Pasture sustainability at Kidman Springs	Internally DAF funded
Shruburn - long-term fire experiment at Kidman Springs	Internally DAF funded
Quality Graze – central Australia	Internally DAF funded
Implementing a prescribed burning program at Kidman Springs – practicing what we preach	Internally DAF funded
Managing gamba grass with rotational grazing at Douglas Daly Research Farm	Internally DAF funded
Fire Graze	Internally DAF funded
Selection for fertility in a Brahman herd	Internally DAF funded
Comparison of multibreed Composite and Brahman breeder productivity	Internally DAF funded
Improving breeder herd efficiency in the arid region with performance recording and objective selection	Internally DAF funded
Later mating trial	Internally DAF funded
Calf Alive	Internally DAF funded
Evaluation of later mating	Internally DAF funded

Buffalo crossbreeding/Tenderbuff /Live Export development and supply	Internally DAF funded
Carrying capacity advisory service	Internally DAF funded
Producer demonstration sites (PDS)	Internally DAF funded
EDGE Network (Meat & Livestock Australia) training courses	Internally DAF funded
Barkly Herd Management Forum	Internally DAF funded
Fisheries	
FishSOOP - 'Trials of oceanographic data collection on commercial fishing vessels in SE Australia' (FRDC 2022-007).	FRDC \$347,802 \$39,000 DAF support Additional external funding secured to establish as an ongoing program.
FishNetCOM – NT Fishing Network for Climate-change Ocean Monitoring	Internal DAF funding
Blacklip Rock Oyster industry development	\$2.8M (\$1,400,000 Cooperative Research Centre for Developing Northern Australia funding with \$1,459,423 DAF in-kind support)
Oyster and seaweed mariculture in Fiji and northern Australia	\$2.8M (Australian Centre for International Agriculture Research funding with \$0.5M DAF support)
Fisheries observation and data collection programs	Internal DAF funding and industry funding
Industry Development and Project Facilitation	
Landscape Management Pilot Project	DAF in-kind support, with funding from industry bodies (including Cotton Research and Development Corporation)