



Agrifood and plants

Update : 1st October 2015



Agriculture	UCT	A drought stress inducible plant promoter	Stage unknown
	UKZN	Inexpensive estimation of real-time evaporation	Applied research
Agrochemicals	Wits	Green, narrow spectrum, pesticide to eradicate specific pest such as the African Bollworm	Prototype
	Stellenbosch	Innovative natural compositions (biopepcides) for use as biodegradable antifungal and antibacterial biocontrol agents	Large scale field tests ongoing
	UWC	IBATECH – process to use kraalbos, galenia africana plant in natural & efficient agrochemicals & fertilisers	Stage Unknown
Aquaculture	Stellenbosch	A feed supplement that may be used for pigmentation together with growth enhancement of different fish species	Proof of concept
	CSIR	Bio-Floc – A microbially-augmented flocculant product for use in aquaculture systems	Stage Unknown



	CSIR	Probiotic for Abalone – increased aquaculture productivity	Stage Unknown
Horticulture	NMMU	Preservation of roses for 6 months / African Floralush	Commercial
	Stellenbosch	Cultivation method for the medically valuable pelargonium	Late state, scaling up
Crop & seed	UCT	Multi-gene drought tolerance cassette for crop transformation	Looking for field trials
	CSIR	Improved Agrobacterium mediated gene transformation	Stage Unknown
Flavour and fragrances	Stellenbosch	Alternative oak products (AOP) improving the extraction of wood flavour into beverages and other food consumables	Stage Unknown
Ingredients	Stellenbosch	A natural preservative extracted from cyclopia	Lab scale
	UCT	Silver modified chitosan polymer support for separation of fatty acids	Stage unknown
	Stellenbosch	A new therapeutic agent / supplement to increase skeletal muscle strength	Animal tests performed
	Wits	A method of extracting beneficial compounds from moringa for supplements	Stage unknown
Beverages	CSIR	Nutritious South African organic vegetable drink	Stage Unknown
Milk processing	Stellenbosch	Process to remove lactose from the milk	Stage Unknown



Agrifood Machinery	NWU	Turnkey customised double-barrelled processing plants (extrusion)	Commercial
Animal health	UKZN	molecular serotyping of the African Horse sickness assay	Field tests
	UCT	ostrich probiotics	Stage Unknown
	CSIR	BioActive and BioPure – eco-friendly biological agents for fish health and aquaculture	Stage Unknown
	UNISA	Rapid diagnostic kit for Babesia rossi infections in dogs	Commercial