

PRIORITIES NEXT 3 YEARS

- Investigation into Novel Pain Relief Options
- Lamb Survival
- Remote Monitoring



SHEEP PRODUCTION, SCIENCE & TECHNOLOGY

OVERALL OBJECTIVE Lower the cost of production of wool on-farm by increasing the productivity of sheep and land, and increasing the efficiency of use of inputs and resources while maintaining Australia's reputation for sustainability.

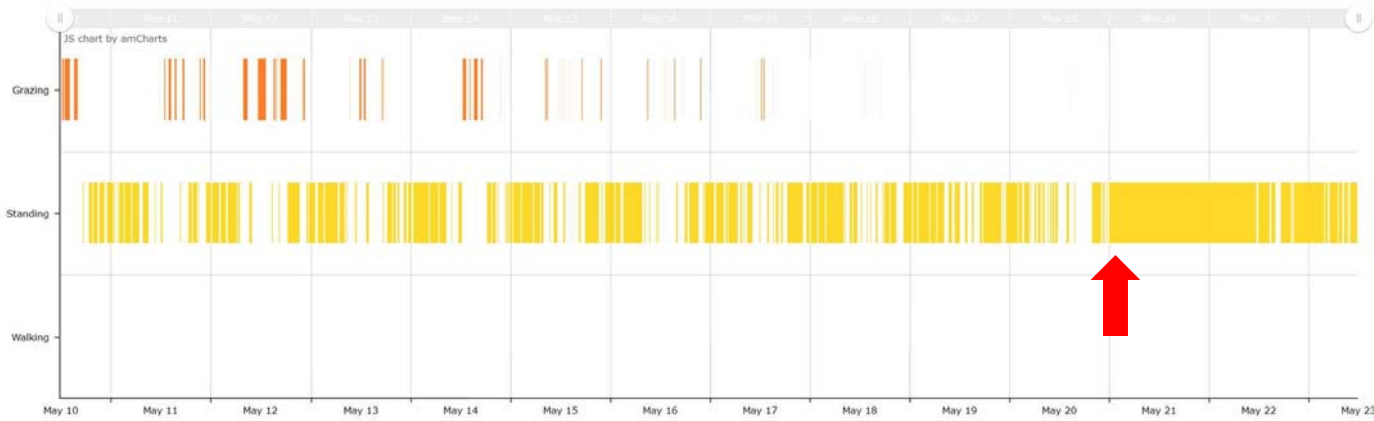
STRATEGY	PROGRAMS	TARGETS
HEALTHY PRODUCTIVE SHEEP	SHEEP HEALTH & WELFARE	<ol style="list-style-type: none"> 1. Evidence of successful development of a flystrike vaccine prototype. <i>(OP)</i> 2. Evidence of investigations into novel pain relief options. <i>(OP)</i> 3. Developed integrated parasite management strategies to minimise the impact of chemical resistance. <i>(OP)</i> 4. Evidence of successful development of wool bale biosecurity tools. <i>(OP)</i>
	VERTEBRATE PESTS	<ol style="list-style-type: none"> 1. Reduce the negative impacts of predation by 10% by 2022. <i>(OC)</i> 2. Improve capacity to undertake pest animal control by 10% by 2022. <i>(OC)</i> 3. Development of new rabbit bio-controls. <i>(OP)</i>
	REPRODUCTION & NUTRITION	<ol style="list-style-type: none"> 1. At least 1,000 woolgrowers engaged in implementing beneficial feedbase guidelines and practices by 2022. <i>(OC)</i> 2. Increasing Merino marking rates by 0.5% per annum. <i>(OC)</i> 3. Complete the development of guidelines and extension workshops to improve reproductive rates that support the aim of 34% of ewes differentially managed to best practice by 2022. <i>(OC)</i> 4. Improve the understanding of three key areas to address climate variability: effect of heat stress on reproduction performance, best practice for supplementary feeding and management of resilient pasture species. <i>(OP)</i>
	GENETICS	<ol style="list-style-type: none"> 1. By 2022, 50% of Merino producers will be using genetic tools (eg Australian Sheep Breeding Values, Flock Breeding Values or wether trial data) in ram purchasing decisions. <i>(OC)</i>
AGRI TECHNOLOGY	HARDWARE & SOFTWARE DEVELOPMENT	<ol style="list-style-type: none"> 1. AWI Smart Tag system delivers at least three practical functionalities driven by sensors, hardware is reliable and durable, and software is able to be updated remotely. <i>(OP)</i> 2. Artificial Intelligence (machine learning) applied for data analysis delivering accurate predictions for at least two sheep traits or paddock events. <i>(OP)</i>
	MECHATRONICS	<ol style="list-style-type: none"> 1. Proof of concept robotic shearing system delivered. <i>(OP)</i>
TRAINING & TECHNOLOGY UPTAKE	NOVEL APPLICATIONS	<ol style="list-style-type: none"> 1. Proof of concept novel user interface application. <i>(OP)</i> 2. Educational packages to increase technology adoption and digital literacy. <i>(OP)</i>
	SHEEP & WOOL MANAGEMENT SKILLS	<ol style="list-style-type: none"> 1. 1,500 tertiary participants in AWI leadership and practical skills events. <i>(OC)</i> 2. AWI leadership and practical skills events delivered to participants receive a net promoter score of at least 7.5/10. <i>(OC)</i> 3. 30,000 views of AWI Education & Extension resources online. <i>(OC)</i>
	WOOL HARVESTING & QUALITY PREPARATION	<ol style="list-style-type: none"> 1. 3,000 novice and intermediate level participants trained by AWI shearers and wool handler trainers. <i>(OC)</i> 2. Ongoing retention rate of 75% of those trained yearly. <i>(OC)</i> 3. More than 1,000 participants in shearer and wool handling competitions nationally. <i>(OC)</i> 4. 15,000 views of AWI Wool Harvesting resources online. <i>(OC)</i>



AWI SMART TAG DATA



Behavior Standing (2)



Closest tags

