

Preparing for dry times:

tools and resources to ready
your business for drought



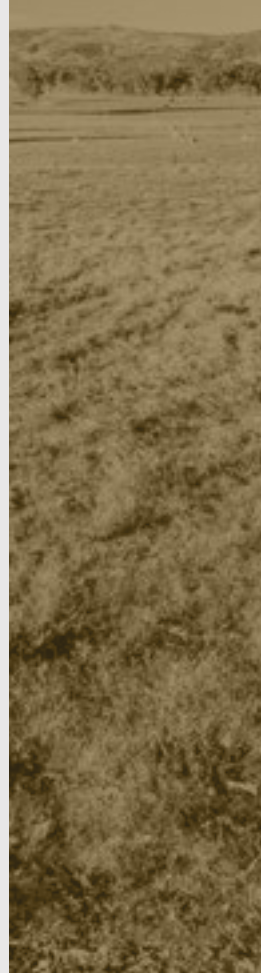
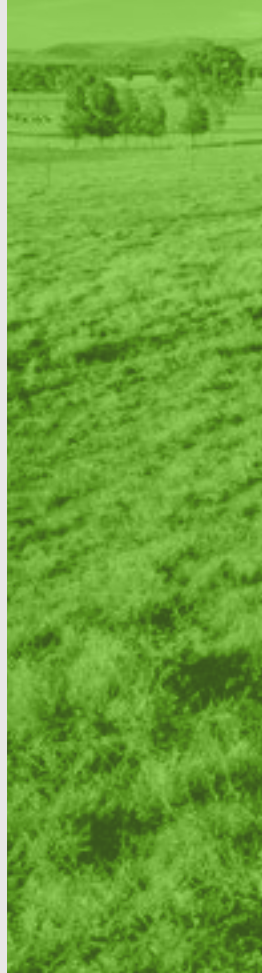
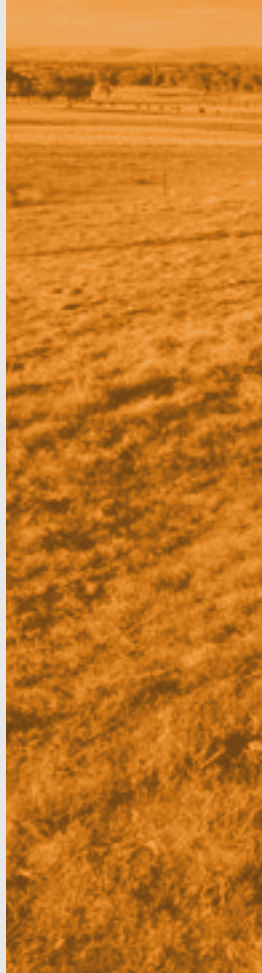
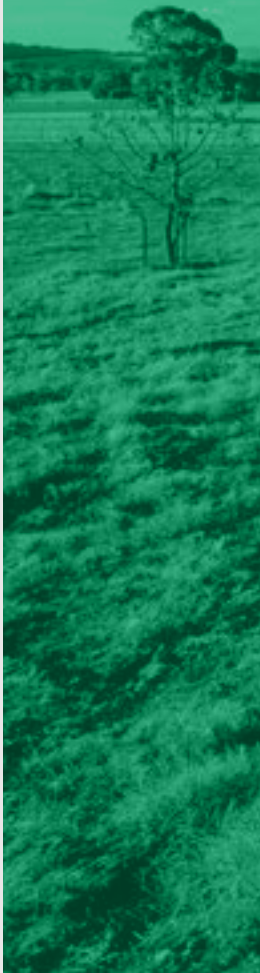
**MLA events,
workshops,
video
resources and
publications**

**Weather
and climate
forecasting**

**Feedbase
and natural
resource
management**




**Livestock
management**

**Business
preparedness**









MLA events, workshops, video resources and publications

MeatUp forums 	What	Held throughout southern Australia, MeatUp Forums introduce producers to the outcomes of research and development projects and the next steps to drive profitability and productivity on-farm.
	Who it is for	Southern livestock producers
	Benefits	MeatUp Forums provide an opportunity for beef, sheep and goat producers to learn something new, stay up-to-date with the latest on-farm research and technologies and meet others working in the red meat industry.
	Cost	\$50 (inc GST) – \$25 for MLA members
	How to access	mla.com.au/meatup
BeefUp forums 	What	Held throughout Queensland, NT and WA, BeefUp Forums introduce producers to the outcomes of research and development projects and the next steps to drive profitability and productivity on-farm.
	Who it is for	Northern beef producers
	Benefits	BeefUp Forums provide an opportunity for northern Australian beef producers to learn something new, stay up-to-date with the latest on-farm research and technologies and meet others working in the red meat industry.
	Cost	\$50 (inc GST) – \$25 for MLA members
	How to access	mla.com.au/beefup
Livestock Advisor Updates 	What	Livestock Advisor Updates are regionally relevant, one-day technical workshops held in northern, southern and western Australia.
	Who it is for	Livestock advisors (i.e. Consultants, Veterinarians, Livestock Agents, Merchandise Staff, Extension officers, Agronomists etc.)
	Benefits	The workshops provide opportunities for livestock advisors, leading producers and professional extension consultants to: <ul style="list-style-type: none"> • learn about the latest red meat R&D • gain skills, tools and knowledge to increase their offering to clients • network with their peers.
	Cost	\$200 (inc GST) – \$100 for MLA members and students
	How to access	mla.com.au/advisor-updates



<p>Livestock Advisor Essentials</p> 	<p>What Livestock Advisor Essentials is a professional development program designed for early career professionals involved in the livestock industry or advisors wishing to build their skills and expand their industry knowledge and networks. The program includes three face-to-face workshops covering feedbase, business, genetics and reproduction, value chain, people and extension.</p> <hr/> <p>Who it is for Livestock advisors</p> <hr/> <p>Benefits The workshops are delivered by leading professionals in their field. This is an unbeatable opportunity to:</p> <ul style="list-style-type: none"> • learn the fundamentals of livestock businesses • develop knowledge, skills and confidence • connect with other livestock advisors. <hr/> <p>Cost \$2,750 (inc GST) for the full program</p> <hr/> <p>How to access mla.com.au/advisor-essentials</p>
<p>EDGEnetwork</p> 	<p>What EDGEnetwork (EDGE) provides tailored, comprehensive, practical 1–3 day workshops in business management, breeding, grazing land management, ruminant nutrition and natural resource management through workshops across Australia.</p> <hr/> <p>Who it is for Producers</p> <hr/> <p>Benefits The takeaways will give you additional knowledge and skills to enhance your business and livestock management and positively influence your profitability, sustainability and productivity.</p> <hr/> <p>Cost Varied based on the program selected.</p> <hr/> <p>How to access mla.com.au/edgenetwork</p>
<p>BredWell FedWell</p> 	<p>What This practical, one-day introductory workshop highlights how productivity and profitability can be improved through good breeding and feeding over the livestock production cycle, with a specific focus on profit drivers.</p> <hr/> <p>Who it is for Producers</p> <hr/> <p>Benefits Producers can use the outcomes of the workshop to develop a genetics and nutrition regime suited to their environment and markets to boost productivity.</p> <hr/> <p>Cost \$200 (inc GST)</p> <hr/> <p>How to access mla.com.au/bwfw</p>
<p>Profitable Grazing Systems (PGS)</p> 	<p>What Profitable Grazing Systems (PGS) takes small groups of like-minded producers who want to improve their whole farm performance, through supported learning packages, to build their knowledge, skills and experience through hands-on training.</p> <p>PGS is a ‘user pays’ program, with MLA contributing through the funding of a percentage of the participant cost.</p> <hr/> <p>Who it is for Producers</p> <hr/> <p>Benefits All packages work on building skills which improve on-farm outcomes in productivity, profitability, sustainability and wellbeing. This is achieved by coaches who work closely with producers in small groups and one-on-one in a range of settings, including on-farm.</p> <hr/> <p>Cost Prices vary depending on the package</p> <hr/> <p>How to access mla.com.au/pgs</p>

<p>Producer Demonstration Sites (PDS)</p> 	<p>What MLA's Producer Demonstration Sites (PDS) program aims to increase the rate of adoption of key management practices and technologies that improve business profitability, productivity and sustainability. This is achieved through supporting livestock producers working in peer-to-peer groups to pursue new skills, knowledge and management practices applicable to their own commercial livestock production systems.</p> <p>Nationally, MLA has over 90 PDS projects in progress across a broad range of topics.</p> <hr/> <p>Who it is for Producers with Livestock Advisors as facilitators</p> <hr/> <p>Benefits MLA offers funding to support the demonstration and extension of knowledge and skills related to a practice or commercially available technology identified to improve business performance.</p> <hr/> <p>Cost There are two funding options available to producer groups wishing to participate in the PDS program: Levy and Co-Contributor.</p> <p>Producer groups wishing to engage in a Levy PDS project can apply for up to \$30,000 a year for the length of the project.</p> <p>Groups wishing to engage in a Co-Contributor PDS project can apply for up to \$60,000 a year (plus access fee) for the length of the project. Co-Contributor projects require producer investment (cash) in the project, which is matched by the MLA Donor Company (MDC).</p> <p>All producer groups will need to engage a facilitator who is experienced in group coordination and extension, monitoring and evaluation of on-farm practice change and communication and reporting.</p> <hr/> <p>How to access mla.com.au/PDS</p>
<p>The toolbox – eLearning</p>  <p>Online training, tools and resources</p>	<p>What An online learning platform that provides capability building packages for red meat producers and livestock advisors.</p> <hr/> <p>Who it is for Producers and advisors</p> <hr/> <p>Benefits Available to use anytime and anywhere, it provides practical opportunities for knowledge and skills-building across a range of topics. Users can work through training packages at their own pace and pick and choose the content that is suitable for their production system.</p> <hr/> <p>Cost Free</p> <hr/> <p>How to access elearning.mla.com.au</p>
<p>Sheep Genetics</p> 	<p>What Sheep Genetics is the genetic evaluation service of the Australian sheep and goat industries.</p> <hr/> <p>Who it is for Sheep Genetics members and service providers</p> <hr/> <p>Benefits Sheep Genetics provides you with the tools to be able to better select animals with breeding values that will prepare your flock for variable climate conditions.</p> <hr/> <p>How to access sheepgenetics.org.au</p>
<p>BREEDPLAN</p> 	<p>What BREEDPLAN is a modern genetic evaluation system for beef cattle. BREEDPLAN offers bull breeders the potential to accelerate genetic progress in their herds, and to provide objective information on stock they sell to commercial breeders.</p> <hr/> <p>Who it is for Producers and advisors</p> <hr/> <p>Benefits BREEDPLAN provides you with the tools to be able to better select animals with breeding values that will prepare your herd for variable climate conditions</p> <hr/> <p>How to access breedplan.une.edu.au</p>



Meat Standards Australia workshops

What	<p>MSA producer workshops provide information about:</p> <ul style="list-style-type: none">• the MSA program and becoming a registered MSA producer• producer requirements and recommendations to optimise eating quality• impacts of on-farm factors and livestock attributes on eating quality• understanding compliance and meeting processor and customer requirements• how to implement change on-farm to better meet consumer expectations• how to use feedback tools to understand animal performance. <p>Workshops can be held for beef and sheep producer groups in central areas and can be customised to suit the group.</p>
Who it is for	Beef and sheepmeat producers, as well as livestock advisors, agents and service providers
Benefits	<ul style="list-style-type: none">• Understanding compliance to MSA and company specifications• Ability to meet processor and customer requirements• Improved carcase compliance and eating quality which may result in increased profits and market opportunities even in challenging climactic conditions.
Cost	Free
How to access	mla.com.au/msa-training



MLA YouTube channel

What	An online library of video resources created by Meat and Livestock Australia.
Who it is for	Red meat industry members
Benefits	This platform contains a wide range of video resources designed to contribute to red meat producer's profitability, sustainability and global competitiveness.
How to access	youtube.com/meatandlivestock



Creative Commons

What	MLA's Creative Commons webpage features a collection of extension materials and tools that have Creative Commons licences and can be used free of charge.
Who it is for	Producers, advisors, industry stakeholders
Benefits	<p>The Creative Commons licensing system provides globally recognised licenses which allow users to print, use, share and build upon copyrighted material such as manuals, factsheets, online tools and videos. Users are free to use the materials for a range of purposes, including:</p> <ul style="list-style-type: none">• embedding the tools and calculators on websites• creating workshop materials for advisors and producers• developing articles for publishing in newsletters and on websites• creating course content for tertiary students.
How to access	mla.com.au/CC



Weather and climate forecasting

Tools

Forewarned is forearmed climate forecasting tools 	What	As part of the MLA-supported Forewarned is Forearmed project, the Bureau of Meteorology has launched five seasonal climate forecasting tools to provide more insight into the possibility of extreme weather events. A workbook has been created to help navigate the tools and better understand how to make more informed decisions on-farm.
	Who it is for	Producers and advisors
	Benefits	Understanding the likelihood of an extreme weather event can assist producers to plan, prepare and respond through better decision making on-farm.
	How to access	mla.com.au/fwfa-workbook-south
The Long Paddock	What	Climate risk and property-level information for northern pastoralists, including localised rainfall and pasture growth maps, climate data, land type information and drought assessment updates.
	Who it is for	Northern producers and advisors
	Benefits	This tool provides users with property level data to help make more informed, tailored management decisions on-farm.
	How to access	longpaddock.qld.gov.au
The Climatedogs	What	Animated videos that describe the six drivers influencing Australia's climate. These videos are easy to follow and understand and associate climate drivers to different working dogs.
	Who it is for	Producers and advisors
	Benefits	Helps explain climate drivers to producers and advisors to better understand what causes seasonal variations.
	How to access	agriculture.vic.gov.au/climatedogs
CliMate app	What	Climate analysis for decision makers.
	Who it is for	Producers and advisors
	Benefits	Assists the user in identifying a range of possible forage scenarios and planning their livestock numbers and paddock management options.
	How to access	climateapp.net.au

Read

Climate calendars for north Australian regions	What	A do-it-yourself climate tool that helps producers plan using the different forecasting tools available to their region and production system.
	Who it is for	Producers across northern Australia
	Benefits	This tool simplifies forecasts that you should be looking at on a monthly or more regular basis and acts as a reminder to access these tools that are available.
	How to access	nacp.org.au/hubspots/climate_calendar


Responding to weather and climate variability	What	Weather and climate variability has major implications for red meat production. This page outlines how MLA is responding to this variability and includes valuable resources to help producers adapt to Australia's increasingly variable climate.
	Who it is for	Producers and advisors
	Benefits	Features several resources and case studies to assist producers in preparing for and managing dry times.
	How to access	mla.com.au/climate
More Beef from Pastures: Seasonal rainfall patterns	What	A guide to characterising the seasonal patterns and variability of rainfall in Australia and establishing water use efficiency.
	Who it is for	Producers and advisors
	Benefits	Assists in characterising rainfall and water use efficiency, understanding water balance and applying water use efficiency information.
	How to access	mla.com.au/mbfp-rainfall
Northern Australia Climate Forecasts	What	Weekly and monthly weather and climate outlooks for the northern Australian grazing industry.
	Who it is for	All supply chain businesses and advisors
	Benefits	Improves proactive management of climate variability which minimises exposure to environmental, profitability and productivity losses due to drought or drier than normal wet seasons, and maximises opportunities presented in above average seasons.
	How to access	nacp.org.au/forecasts

Virtual learning

Climate training course – forecasting for decision making	What	A short course on important climate drivers for northern Australia and effective use of forecasting tools.
	Who it is for	Producers and advisors
	Benefits	Improves knowledge and skills to use weather and climate forecasts when making business decisions.
	How to access	nacp.org.au/outreach/training/launchpad
The toolbox – climate eLearning packages	What	A selection of training packages to help producers and advisors navigate climate relation management decisions on-farm.
	Who it is for	Producers and advisors
	Benefits	Work through packages to help you prepare or recover from bushfire as well as increase your knowledge of climate forecasting tools to help you make more informed decisions on-farm.
	How to access	mla.com.au/elearning-climate



Attend

Engage with your climate mates	What	Climate mates aims to improve the use of weather and climate forecasts through training and engaging with producers, advisors and supporting the broader extension team across northern Australia.
	Who it is for	Northern producers
	Benefits	Climate mates are trained in general aspects of climate science and forecasting so they can impart knowledge and be a local expert to help landholders.
	Cost	Free
	How to access	nacp.org.au/outreach/climate_mates
Rain Gauge – Forecasting for a profitable future 	What	A series of supported learning workshops that teach producers climate and forecasting fundamentals, how to navigate forecast products and historical climate data, how to incorporate seasonal forecasts in herd and pasture management and future trends, opportunities and challenges.
	Who it is for	Producers across northern Australia
	Benefits	Improves knowledge and skills to use weather and climate forecasts and incorporate these into your management calendar.
	Cost	Varied based on the delivery location. Contact MLA to find out more.
	How to access	mla.com.au/pgs


Watch

Northern Australia Climate Program videos	What	A series of videos introducing weather and climate tools for graziers in Northern Australia.
	Who it is for	Northern producers
	Benefits	These videos are designed to improve the knowledge and skills of producers across the grazing industry to support proactive management of climate variability.
	How to access	nacp.org.au/resources/videos



Feedbase and natural resource management

Tools

Australian Feedbase Monitor	<p>What A world-first tool to help producers improve grazing management, forage budgeting and ground cover.</p> <hr/> <p>Who it is for Producers and advisors</p> <hr/> <p>Benefits The tool provide access to farm-level rolling monthly pasture biomass estimates for every Livestock Production Assurance (LPA) account holder, updated every five days. The tools provides support for more objective and accurate feed budgeting, leading to sustainable grazing management decisions.</p> <hr/> <p>How to access mla.com.au/myMLA</p>
Carbon Calculator	<p>What A digitised version of the SB-GAF calculator allows producers to complete a carbon account for their enterprise.</p> <hr/> <p>Who it is for Producers</p> <hr/> <p>Benefits This calculator helps producers understand the amount of greenhouse gases produced at a property level. The tool enables the calculation of total enterprise greenhouse gas emissions calculation as well as emissions intensity per product produced e.g. beef, sheepmeat, wool, grain.</p> <hr/> <p>How to access carbon-calculator.mla.com.au</p>
	<p>Paddock Power</p> <p>What A tool for planning and assessing the cost-benefit of on-farm infrastructure including fences and waters to improve pasture management.</p> <hr/> <p>Who it is for Northern beef producers and advisors</p> <hr/> <p>Benefits Understand the economic impact of making infrastructure changes on-farm and how they might lead to better pasture management or productivity.</p> <hr/> <p>How to access mla.com.au/futurebeef-paddock-power</p>
Stocking rate calculator	<p>What This tool is designed to determine a paddock's carrying capacity for either cattle or sheep.</p> <hr/> <p>Who it is for Producers and advisors</p> <hr/> <p>Benefits Helps the user determine how many days a paddock can be grazed by different classes, and different numbers of stock.</p> <hr/> <p>How to access etools.mla.com.au/src</p>
Feedbase planning and budgeting tool	<p>What This tool is designed to help users make tactical decisions for livestock and pastures.</p> <hr/> <p>Who it is for Producers and advisors</p> <hr/> <p>Benefits Assists the user in planning rotational grazing systems, determining appropriate stocking rates, calculating pasture growth rates, determining how long paddocks will last and calculating the most economical ration for stock.</p> <hr/> <p>How to access etools.mla.com.au/fbrp</p>

Pasture Trial Network	What	This tool allows users to assess and compare the performance of more than 100 pasture varieties across the key pasture species for the red meat industry.
	Who it is for	Producers and advisors
	Benefits	Helps the user to ensure their pasture selection decisions for their enterprise mix have the greatest chance of success.
	How to access	etools.mla.com.au/ptn

Read

Grazing land management hub	What	Resources and learning opportunities to improve the management and utilisation of your feedbase.
	Who it is for	Producers and advisors
	Benefits	Helps the user to measure available pastures against animal demand, explore improved pasture options, and identify and manage weeds for grazing businesses across Australia.
	How to access	mla.com.au/grazing
Bushfire hub	What	Important resources for cattle, sheep and goat producers preparing for bushfire season, or who have been impacted by bushfires.
	Who it is for	Producers and advisors
	Benefits	Contains resources to help the user create a bushfire preparation plan as well as a short-, medium- and long-term recovery strategy for fire-affected properties.
	How to access	mla.com.au/bushfire
Healthy soils hub	What	Tips and tools to get your soils in shape for the season ahead.
	Who it is for	Producers and advisors
	Benefits	Equips users with practical resources for soil testing and soil management ahead of autumn sowing of pastures and dual-purpose crops.
	How to access	mla.com.au/healthy-soils
Persistent pastures hub	What	Resources to get pastures performing at their best.
	Who it is for	Producers and advisors
	Benefits	Assists users in managing pasture growth, assessment, selection, establishment and persistence.
	How to access	mla.com.au/persistentpastures
Weed control hub	What	Strategic weed management resources for pasture productivity and persistence in southern farming systems.
	Who it is for	Southern producers and advisors
	Benefits	Brings together the latest research and practical tips and tools to help producers get weeds under control early.
	How to access	mla.com.au/weeds



Leucaena hub	What	Best practice information on how to establish and manage leucaena in northern Australia. Leucaena is a deep-rooted perennial legume making it a particularly drought resistant feed option.
	Who it is for	Northern producers and advisors
	Benefits	Compiles the latest research to help northern producers learn the best ways to establish and manage leucaena.
	How to access	mla.com.au/leucaena
More Beef from Pastures: Drought preparedness	What	A checklist outlining the important issues that should be considered when managing livestock operations under drought conditions.
	Who it is for	Producers and advisors
	Benefits	Assists and supports the user in drought planning and decision making when heading into a drought.
	How to access	mla.com.au/mbfp-drought
Maintaining ground cover	What	Provides information on management of ground cover and rotational grazing to help avoid run-off, water loss and erosion.
	Who it is for	Producers and advisors
	Benefits	Assists the user in understanding how to maintain ground cover of at least 70% through the selection of appropriate pasture species and tactical grazing.
	How to access	mla.com.au/maintain-ground-cover
Looking after drought pastures	What	This resource outlines how to manage pastures during drought.
	Who it is for	Southern producers and advisors
	Benefits	Assists in ensuring southern pastures survive, recover well and remain relatively weed free during drought.
	How to access	mla.com.au/drought-pastures
Managing deep drainage	What	This resource outlines how to manage deep draining so that water isn't lost to water tables.
	Who it is for	Producers and advisors
	Benefits	Assists in combatting dryland salinity and provides information on management considerations that can influence water balance.
	How to access	mla.com.au/deep-drainage
Managing soils to keep them healthy and productive	What	This resource outlines grazing management tactics to promote soil organisms that contribute to healthy and productive soils.
	Who it is for	Producers and advisors
	Benefits	Using grazing management can promote soil organisms contributing to healthy and productive soils.
	How to access	mla.com.au/managing-soils



Pasture ruler	What	A quick and easy way to estimate pasture mass (quantity) and quality.
	Who it is for	Producers and advisors
	Benefits	Helps the user to make better grazing decisions to increase productivity and predict animal performance and dollar returns.
	How to access	mla.com.au/pasture-ruler
Grazing land management: Sustainable and productive natural resource management	What	A simple roadmap to understand and implement sustainable and productive grazing land management.
	Who it is for	Northern beef producers and advisors
	Benefits	Increases understanding around managing land condition, improving the level and evenness of grazed pastures and enhancing cattle diet quality.
	How to access	mla.com.au/glm-manual

Attend



Grazing Fundamentals EDGE  	What	A one-day workshop providing tailored, comprehensive and practical learning opportunities designed to upskill producers and add value to their businesses.
	Who it is for	Producers (species determined by delivery location)
	Benefits	Gives producers a broad understanding of the environment in which they operate and the core principles behind successfully maintaining grazing land condition and long-term productivity.
	Cost	Varied based on location and deliverer. To find the next EDGE course in your area, visit MLA's events calendar.
	How to access	mla.com.au/edgenetwork
Grazing Fundamentals (southern rangelands) EDGE  	What	A one-day workshop exploring the core principles behind successfully managing grazing land for long-term productivity in the southern rangelands.
	Who it is for	Producers
	Benefits	The course provides actionable information and strategies on grazing management, ruminant nutrition and landscape ecology for beef and sheep producers in the southern rangelands.
	Cost	Varied based on location and deliverer. To find the next EDGE course in your area, visit MLA's event's calendar.
	How to access	mla.com.au/edgenetwork
Grazing Land Management EDGE  	What	A three-day workshop designed to give producers a thorough understanding of the grazing land environment in which they operate.
	Who it is for	Producers (species determined by delivery location)
	Benefits	Provides participants with the knowledge to strategically manage their grazing businesses to optimise land condition and productivity in the long term.
	Cost	Varied based on location and deliverer. To find the next EDGE course in your area, visit MLA's events calendar.
	How to access	mla.com.au/edgenetwork

<p>Nutrition EDGE</p> 	<p>What A three-day workshop designed to provide a comprehensive look at ruminant nutrition to assist producers to better match pasture and feed options to their livestock needs.</p> <hr/> <p>Who it is for Producers (species determined by delivery location)</p> <hr/> <p>Benefits These workshops will better enable producers to define production targets for their livestock and compare current and predicted performance against these production targets.</p> <hr/> <p>Cost Varied based on location and deliverer. To find the next EDGE course in your area, visit MLA's events calendar.</p> <hr/> <p>How to access mla.com.au/edgenetwork</p>
<p>Pasture Principles</p> 	<p>What A 12-month training package designed to teach producers a set of guiding principles to manage pastures confidently regardless of the season, situation or system.</p> <hr/> <p>Who it is for Producers</p> <hr/> <p>Benefits Assists producers to measure and predict pasture growth, allocate pasture on a dry matter basis and understand animal requirements for maintenance, growth, pregnancy and lactation.</p> <hr/> <p>Cost Varied based on the delivery location. Contact your state coordinator to find out more.</p> <hr/> <p>How to access mla.com.au/pgs</p>
<p>Grass to Dollars</p> 	<p>What A training package designed to assist southern producers to better manage and utilise pastures.</p> <hr/> <p>Who it is for Southern producers</p> <hr/> <p>Benefits Assists producers in assessing pastures grown across southern Australia, condition scoring livestock, managing pasture grazing and optimising pasture utilisation.</p> <hr/> <p>Cost Prices vary depending on the package</p> <hr/> <p>How to access mla.com.au/pgs</p>
<p>PayDirt and PayDirt North</p> 	<p>What A training package designed to value-add to soil testing results, helping producers determine how to get the most bang for their fertiliser buck. This training package has two versions, one for northern producers and one for southern producers, with content specific to both regions.</p> <hr/> <p>Who it is for Southern producers (PayDirt) or northern producers (PayDirt North)</p> <hr/> <p>Benefits Helps producers identify soil constraints, make informed decisions regarding the use of fertilisers, take soil tests and interpret results, assess current pasture composition and improve their decision making around inputs.</p> <hr/> <p>Cost Prices vary depending on the package. Contact MLA to find out more.</p> <hr/> <p>How to access mla.com.au/pgs</p>
<p>Pasture Paramedic</p>	<p>What A training package designed to help producers assess the condition of their pastures in the high rainfall zones of southern Australia.</p> <hr/> <p>Who it is for Southern producers and advisors</p> <hr/> <p>Benefits Helps identify requirements for pasture renovation or rejuvenation.</p> <hr/> <p>Cost Free</p> <hr/> <p>How to access mla.com.au/pasture-paramedic</p>

Virtual learning

<p>The toolbox – healthy soils and pastures eLearning packages</p>  <p>Online training, tools and resources</p>	<p>What</p> <p>A selection of packages focused on improving pasture utilisation, management and health.</p>
	<p>Who it is for</p> <p>Producers and advisors</p>
	<p>Benefits</p> <p>Work through packages around removal of weeds, soil testing, visual identification of soil condition and more to improve the productivity of grazing lands.</p>
	<p>How to access</p> <p>m1a.com.au/elearning-soils-pastures</p>
<p>The toolbox – sustainability eLearning packages</p>  <p>Online training, tools and resources</p>	<p>What</p> <p>A selection of packages that help users understand the carbon lifecycle in agriculture.</p>
	<p>Who it is for</p> <p>Producers and advisors</p>
	<p>Benefits</p> <p>These packages provide a good understanding of how carbon is emitted and sequestered on-farm as well as providing a guide to perform a carbon account on a property and actions you can take to reduce your emissions intensity.</p>
	<p>How to access</p> <p>m1a.com.au/elearning-sustainability</p>

Watch

<p>LAU Australian Feedbase Monitor webinar</p> 	<p>What</p> <p>A 1hr webinar around the value of the Australian feedbase monitor tool.</p>
	<p>Who it is for</p> <p>Producers and advisors</p>
	<p>Benefits</p> <p>Understand how the Australian Feedbase Monitor works and how it can help make decisions around feed budgeting and management for producers or livestock advisors.</p>
	<p>How to access</p> <p>m1a.com.au/lau-afm</p>
<p>LAU Feed budgeting webinar</p> 	<p>What</p> <p>A 1hr webinar around how to approach feed budgeting for sheep to address feed supply challenges.</p>
	<p>Who it is for</p> <p>Sheepmeat producers and advisors</p>
	<p>Benefits</p> <p>In seasons where there are feed supply challenges, knowledge of the available tools helps to make informed decisions and to implement appropriate management options.</p>
	<p>How to access</p> <p>m1a.com.au/lau-feed-budgeting</p>
<p>Visual indicators of soil condition Part I: In the paddock</p>	<p>What</p> <p>The first video in a series of three that reveals common paddock indicators of soil condition.</p>
	<p>Who it is for</p> <p>Producers and advisors</p>
	<p>Benefits</p> <p>Helps land managers recognise and diagnose underlying soil problems.</p>
	<p>How to access</p> <p>m1a.com.au/1-soil-condition</p>



Visual indicators of soil condition Part II: Plants and pasture	What	The second video in a series of three that reveals common plant and pasture indicators of soil condition.
	Who it is for	Producers and advisors
	Benefits	Helps land managers recognise and diagnose underlying soil problems.
	How to access	mla.com.au/2-soil-condition
Visual indicators of soil condition Part III: Soil surface and clover roots	What	The third video in a series of three that reveals common indicators of soil condition that you see on the soil surface or on the roots of clover plants.
	Who it is for	Producers and advisors
	Benefits	Helps land managers recognise and diagnose underlying soil problems.
	How to access	mla.com.au/3-soil-condition









Livestock management

Tools

Cost of production calculator	What	Cost of production (CoP), measured in cents per kilogram, is an indication of the outlay required to produce each kilogram of meat for beef, sheep and goat. This tool has been developed to help producers understand their CoP.
	Who it is for	Producers and advisors
	Benefits	COP can help users identify areas where changes could be made on-farm to help improve profitability.
	How to access	mla.com.au/cop
Sheep health tool	What	A tool to help you assess the physical and financial impacts of common endemic diseases of sheep to your flock and business.
	Who it is for	Producers and advisors
	Benefits	The tool can be used to provide cost-benefit analysis of making a management decision on-farm to decide if an intervention is right for you and your business.
	How to access	tools.mla.com.au/sheephealth
ParaBoss 	What	Your one-stop-shop for getting the ins and outs of genetics and breeding values. This hub includes short 'how-to' videos to help you get started using breeding values.
	Who it is for	Producers and advisors
	Benefits	Provides content relating to a range of production systems with information on the biology, treatment and management of parasites as well as the latest advice on preventing the build-up of chemical resistance in cattle, sheep and goats.
	How to access	paraboss.com.au
FutureBeef tools 	What	A selection of tools to help with management decisions including Stocktake GLM, Feed or Sell PTIC Cow calculator, Agistment calculator and more.
	Who it is for	Northern producers and advisors
	Benefits	These tools allow users to better understand the economic and productivity impacts of farm management decisions.
	How to access	mla.com.au/futurebeef-tools

Read





Genetics hub 	What	This resource looks at how better breeding values can help you accelerate your herd's or flock's productivity.
	Who it is for	Producers and advisors
	Benefits	Help producers select the right animal for their production system and climate.
	How to access	genetics.mla.com.au

<p>Is the animal fit to load?</p>	<p>What Information to help producers, agents, buyers and transporters decide if an animal is fit to be loaded for transport by road or rail.</p> <hr/> <p>Who it is for Producers and advisors</p> <hr/> <p>Benefits Prepare and manage livestock in a way that reduces stress and minimises risks to animal welfare during transport. This guide should be followed to comply with the Australian Animal Welfare Standards and Guidelines for the Land Transport of Livestock and relevant state and territory legislation.</p> <hr/> <p>How to access mla.com.au/fittoload</p>
<p>Phosphorus hub</p>	<p>What The Phosphorus hub aims to support beef producers to identify a phosphorus deficiency and how to remedy the issue through implementation of an effective supplementation program.</p> <hr/> <p>Who it is for Producers and advisors</p> <hr/> <p>Benefits P deficiency in cattle causes significant production and economic losses in beef enterprises across northern Australia. During a drought, phosphorus supplementation is critical to the health and productivity of cattle.</p> <hr/> <p>How to access mla.com.au/phosphorus</p>
<p>Drought management</p> 	<p>What This section of the FutureBeef website provides practical information to help beef producers manage their way through dry seasons.</p> <hr/> <p>Who it is for Producers and advisors</p> <hr/> <p>Benefits Contains information for producers on Government drought services, contact information for useful service providers during drought, a practical directory of drought information compiled by AgForce and Bureau of Meteorology climate and water outlooks.</p> <hr/> <p>How to access mla.com.au/futurebeef-drought</p>
<p>Dry season management of a beef business</p> 	<p>What A guide to planning, managing and supplementary feeding.</p> <hr/> <p>Who it is for Northern beef producers and advisors</p> <hr/> <p>Benefits Information on feeding and managing livestock during drought, beef cattle nutrition including supplementation and crisis feeding, software packages to evaluate your options and assist in decision making and strategies to help you cope with stress.</p> <hr/> <p>How to access mla.com.au/futurebeef-dry-season</p>
<p>Drought feeding</p> 	<p>What This section of the MLA website provides information about stock feeding decisions during drought and dry times.</p> <hr/> <p>Who it is for Producers and advisors</p> <hr/> <p>Benefits Maintain livestock productivity and cashflow through drought, maintain core breeder numbers.</p> <hr/> <p>How to access mla.com.au/drought-feeding</p>
<p>Confinement feeding</p>	<p>What This section of the MLA website provides information about confinement feeding during drought.</p> <hr/> <p>Who it is for Producers and advisors</p> <hr/> <p>Benefits Confinement feeding is a practice that aims to promote animal health and welfare while preserving ground cover and land condition.</p> <hr/> <p>How to access mla.com.au/confinement-feeding</p>


Weaner management in northern beef herds	What	This publication provides information on weaning strategies and weaner management for northern beef herds.
	Who it is for	Northern beef producers
	Benefits	Weaning is a well-established practice in northern Australia. This publication outlines best management practice for feeding and educating weaners and advises on the weaning of young light calves under dry conditions to reduce mortality and improve fertility in the breeders.
	How to access	mla.com.au/northern-beef-weaner-management
Beef cattle nutrition – an introduction to the essentials	What	This publication provides information on the nutrient value of pastures for beef cattle.
	Who it is for	Beef producers and advisors
	Benefits	Assists beef producers in placing a dollar value on all the nutritional inputs required to meet their production targets.
	How to access	mla.com.au/beef-cattle-nutrition
Production feeding for lamb growth – a guide for producers	What	This publication provides information on the most important aspects of intensive lamb finishing, specifically relating to growth. Production feeding is an important consideration during drought and dry times.
	Who it is for	Sheepmeat producers and advisors
	Benefits	Provides information on the most important aspects production feeding for lamb growth including running a viable finishing system, nutrition, animal health and welfare, management and marketing.
	How to access	mla.com.au/lamb-production-feeding




Attend

<p>Nutrition EDGE</p> 	<p>What A three-day workshop designed to provide a comprehensive look at ruminant nutrition to assist producers to better match pasture and feed options to their livestock needs.</p> <hr/> <p>Who it is for Producers (species determined by delivery location)</p> <hr/> <p>Benefits These workshops will better enable producers to define production targets for their livestock and compare current and predicted performance against these production targets.</p> <hr/> <p>Cost Varied based on location and deliverer. To find the next EDGE course in your area, visit MLA's events calendar: mla.com.au/events</p> <hr/> <p>How to access mla.com.au/edgenetwork</p>
<p>Breeding EDGE</p> 	<p>What A three-day workshop is designed to help evaluate how a breeding program is currently performing and better identify opportunities for improvement.</p> <hr/> <p>Who it is for Northern beef producers</p> <hr/> <p>Benefits This program is designed to assist you develop a breeding program or improve your existing one, using reproductive and genetic knowledge, and technologies to achieve desired production targets.</p> <hr/> <p>Cost Varied based on location and deliverer. To find the next EDGE course in your area, visit MLA's events calendar: mla.com.au/events</p> <hr/> <p>How to access mla.com.au/edgenetwork</p>
<p>Dry Time Ready</p> 	<p>What a training package designed to help producers develop a drought management strategy focused on production and resource allocation.</p> <hr/> <p>Who it is for Producers</p> <hr/> <p>Benefits This package uses small group coaching and peer-to-peer learning to develop a drought plan to build business resilience in dry times.</p> <hr/> <p>Cost Prices vary depending on the package</p> <hr/> <p>How to access mla.com.au/pgs</p>
<p>Building Better Breeders</p> 	<p>What A training package designed to teach producers the A-Z of beef breeding in southern and temperate production zones</p> <hr/> <p>Who it is for Producers</p> <hr/> <p>Benefits Develops producer's skills in assessing and creating genetic breeding objectives and breeding plans, while also supporting producers to introduce and utilise eID in their operation.</p> <hr/> <p>Cost Prices vary depending on the package</p> <hr/> <p>How to access mla.com.au/pgs</p>

Virtutal learning

The toolbox – animal health and welfare eLearning packages  <small>Online training, tools and resources</small>	What	A selection of free online training packages to help improve the health and welfare of livestock.
	Who it is for	Producers and advisors
	Benefits	Undertake courses in vaccination and pain relief as well as other productivity practices to improve the health and profitability of cattle, sheep and goats.
	Cost	Prices vary depending on the package
	How to access	mla.com.au/elearning-welfare

Watch

Goat roadshow webinars	What	A series of webinars aimed at Australian goat producers
	Who it is for	Producers
	Benefits	These webinars provide the latest updates on sustainable grazing, reproduction and the market to allow goat producers to make more informed management decisions on-farm.
	How to access	mla.com.au/goat-webinars
ParaBoss webinars 	What	A series of webinars designed to complement and extend information provided through the web platform paraboss.com.au
	Who it is for	Producers and advisors
	Benefits	These webinars provide seasonally specific resources for sheep, goat and cattle parasite control in Australian production systems.
	How to access	mla.com.au/paraboss-webinars
Productivity & Profitability media series	What	A series of webinars and podcasts designed for sheep, cattle and goat producers to increase the productivity and profitability of their businesses.
	Who it is for	Producers and livestock advisors across southern Australia
	Benefits	Viewers will be updated on the latest research and best practice management guidelines across a series of relevant and timely issues.
	How to access	mla.com.au/pandp
Setting up for success with confinement feeding	What	A webinar featuring a panel discussion between three experienced producers discussing confinement feeding best practice.
	Who it is for	Livestock advisors and producers
	Benefits	Confinement feeding is a best practice management strategy used by many livestock producers to manage ground cover and protect the soil. This webinar provides insight into the factors that make confinement feeding of sheep and cattle successful in three different production regions around Australia.
	How to access	mla.com.au/confinement-feeding-webinar








Business preparedness

Read

Mental health hub	What	A central point for information on mental health.
	Who it is for	Producer focused, but relevant for all in agricultural sector
	Benefits	Tips and tools to help producers cope with the stress of natural disasters.
	How to access	mla.com.au/mental-health

Attend

	Carbon EDGE	What	A two-day workshop providing participants with an understanding of carbon in agricultural systems.
		Who it is for	Producers
		Benefits	The workshop will help producers create an action plan for their property based on the opportunities for greenhouse gas emissions reduction and storage activities within a productive livestock grazing business.
		Cost	Varied based on location and deliverer. To find the next EDGE course in your area, visit MLA's events calendar.
		How to access	mla.com.au/edgenetwork
	Business EDGE	What	A two-day financial and business management training workshop.
		Who it is for	Producers
		Benefits	The aim is to enhance producer knowledge and skills in basic financial and business management to improve business efficiency and profitability.
		Cost	Varied based on location and deliverer. To find the next EDGE course in your area, visit MLA's events calendar.
		How to access	mla.com.au/edgenetwork
	Business EDGE young guns	What	A workshop for up and coming livestock producers who are ready to build their skills and confidence to manage a modern agricultural business.
		Who it is for	Early-career producers
		Benefits	Work with producers at a similar career level to gain skills and knowledge to help confidently manage an agricultural business.
		Cost	Varied based on the package deliverer. Contact your state coordinator to find out more.
		How to access	mla.com.au/edgenetwork

Dollar Making Decisions 	What	A package designed to provide producers with the skills needed to take a disciplined and rational approach to capital allocation on-farm.
	Who it is for	Producers
	Benefits	Gain knowledge and tools to better manage fiscal agricultural business decisions.
	Cost	Varied based on the package deliverer and location. Contact your state coordinator to find out more.
	How to access	mla.com.au/pgs
Business Essentials 	What	A package developed to upskills producers in the fundamentals of managing the business side of a livestock enterprise.
	Who it is for	Producers
	Benefits	Peer-to-peer learning with a dedicated deliverer.
	Cost	Varied based on the package deliverer and location. Contact your state coordinator to find out more.
	How to access	mla.com.au/pgs

Watch

Back to Business: Bushfire recovery and resilience webinar series	What	A series of webinars for all livestock producers impacted by drought, fire, flood, storms and global challenges.
	Who it is for	Producers and agricultural advisors
	Benefits	Practical tips for livestock producers to help rebuild after the effects of natural disasters and global challenges.
	How to access	mla.com.au/b2b-bushfire



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