This project focuses on precision agriculture for pastures and working with the next generation of farmers to manage the risks of acidification and hill-slope erosion in the eastern Riverina. Riverina Local Land Services will use soil testing on a paddock scale in the topsoil (0-10cm) and subsoil (10-20cm) to measure soil pH and exchangeable cations. Precision agriculture technology will be used to generate soil management maps and guide producers’ decisions on investing in lime and perennial pastures on their properties.

Perennial pastures are part of the long-term solution to managing acidification. However, some pasture species and legume rhizobia are known to be sensitive to acid soils. The purchase of lime and the expense of sowing perennial pasture mixes are both significant investments for livestock producers. *Farming smarter – a soils project for the next generation* will focus on guiding decisions in terms of investing in new perennial pastures, liming acidic soils before sowing to new pastures and reducing the risk of wind and water erosion.

**How can landholders get involved?**
Landholders will work closely with Riverina Local Land Services to achieve environmental and sustainable agriculture outcomes. There are incentives available to assist land managers to carry out this work on their property. There is also a co-investment approach in Year 1 of the project which involves soil testing and soil mapping, which equates to $5/Hectare over 50 hectares selected per landholder. Eligible landholders are asked to submit an Expression of Interest via the form ADD LINK before ADD DATE.

**What assistance is available?**
Through this project assistance is available to landholders for a suite of on-ground works including:

- soil coring and soil testing of 50 hectares in total on one property (maximum of 3 paddocks, ideally 2 paddocks on a property)
- independent soil test interpretation
- soil mapping into soil management zones
- variable rate lime application map and advice on liming
- selection of perennial pasture mix to suit one targeted paddock
- advice on pest and weed control pre pasture establishment
- co-investment in a new perennial pasture

**What are the next steps?**
Funding is limited and your Expression of Interest needs to be received by ADD DATE.
Landholders must submit an Expression of Interest via ADD LINK.
Once an EOI has been submitted, a Riverina Local Land Services officer will contact you to discuss your project and the project proposal form.
See eligibility criteria over the page.
Eligibility to apply
To be eligible for this project:

- Your soils project area nominated or selected must be appropriately 50 hectares
- Co-investment in the soils project at a rate of $5/hectare over the 50 hectares soil-tested and mapped on your property is required
- Landholders must be prepared to consider a variable rate lime application based on a soil management map
- Landholders must be prepared to establish a new perennial pasture area by 2020
- The area of 50 hectares nominated or selected must not have a previous incentive agreement placed over it
- All previous works funded by Riverina Local Land Services or the Catchment Management Authority must be completed
- The soils project area nominated or selected must be trafficable by a 2WD vehicle for the purpose of soil coring
- The soils project area nominated or selected must not be an existing native pasture, already considered to be perennial in nature
- You must be willing to enter into a contractual agreement with Riverina Local Land Services for 10 years
- Landholders must be prepared to re-evaluate changes in soil pH in four years time after liming, as part of the soils project
- You must have no outstanding debts to Riverina Local Land Services
- You must have public liability insurance for a minimum of $10 million to be considered for funding

Access to an external service provider must be allowed for the purpose of soil sampling and soil testing works which are likely to occur during February 2019. Landholders will always be consulted before the service provider requires access to the property for the collection of soil cores and given the option of being present. Good soil moisture is not required for soil sampling to take place

Questions?
Thomas White – Team Leader
0427 288 001 or thomas.white@lls.nsw.gov.au
Lisa Castleman - Senior Land Services Officer
0427 201 963 or lisa.castleman@lls.nsw.gov.au

This project is supported by Riverina Local Land Services, through funding from the Australian Government's National Landcare Program.

© State of New South Wales through Local Land Services 2018. The information contained in this publication is based on knowledge and understanding at the time of writing October 2018. However, because of advances in knowledge, users are reminded of the need to ensure that the information upon which they rely is up to date and to check the currency of the information with the appropriate officer of Local Land Services or the user's independent adviser.