



# Pathfinder Honour: Requirements & Framework

## Agriculture

Part of Outdoor Industries Category of Honours

Honour Patch



Part of Farming  
Master Honour



### Snapshot of Honour

This honour gives an introduction to farming.

There are important things to learn. For example - different soils and what grows well in them; how plants obtain and use nutrients; what plants and insects are pests and how to control them. Then there's agricultural machinery - what the different types do. You'll know how to read and use weather maps.

Then there's the best parts - the hands-on parts. You'll have fun and satisfaction when checking out the germination rates of different seeds and being involved in growing crops from planting right through to harvesting.

#### **Honour History:**

Original Honour: 1929, Author not known

General Conference: Reviewed 2001

South Pacific Division : Reviewed July 2007.

- Reviewed by Graeme Mau, Northern Australia Conference

## Agriculture Honour

**Honour Framework:** [Compulsory items are underlined. Others are for guidance]

#Skill Level:	Level 2
<u>Pre-requisites:</u>	Nil
Preparation Time:	Average (4-8 hrs), depending on resources and previous experience
Physical Requirements:	Minimal to Moderate
Equipment/Materials Required:	Camera, farming machinery, seed raising facilities
Location:	Indoors; Outdoors; Excursion
Sabbath Appropriate:	Not likely
<u>Safety &amp; Legal Requirements:</u>	Refer to and comply with Local, State and Country Requirements. All duty of care must be complied with.
Links to P/F Curriculum: (Cards, Speciality, Pursuits), or AO Modules	
Suggested Teaching / Presentation method(s):	Presentation and Discussion; Excursion; Practical application;
Recommended Assessment:	Workbook & Assessment Sheet which has a checklist of practical requirements and a short test to check knowledge of the honour.
List of Resources:	See Trainer's Notes

#Skill Level. A General Conference term which broadly describes typical physical and mental development. Level 1 (Friends, Companions); Level 2 (Explorers, Rangers); Level 3 (Voyagers, Guides)

### Honour Components:

Requirements:	See following page
Trainer's Notes:	Agriculture Honour Trainer's Notes
Student's Workbook:	Agriculture Honour Workbook
Assessment Method:	Agriculture Honour Assessment (On SPD Honour Website but Leader's level access is required)

# Agriculture Honour Requirements

Source: General Conference of SDA, 22 April 2009.

<http://gcyouthministries.org/Ministries/Pathfinders/Honors/tabid/85/agentType/View/PropertyID/10/Default.aspx>

*Note: Any Additional South Pacific Division (SPD) Requirements are in italics*

~~Strikethroughs~~ show parts not applicable to the SPD.

1. List the components of soil. Why is soil important to plants?
2. Explain the difference between clay, sand, and loam soils and collect samples as available in your area. List 3 crops that grow well in each.
3. Test the germination of three varieties of seeds - 100 seeds of each variety. ~~Record germination percentage after 3, 4, and 5 days.~~ *Record germination percentage on consecutive days once germination begins.*
4. ~~Explain how the plants obtain nutrients and convert them to food. Explain the difference between primary, secondary and micro nutrients.~~ *Explain how plants obtain nutrients and convert them to food. List the 16 elements that plants at least need to live, grow and reproduce.*
5. Name and identify ten common weeds *or grasses* which affect your farming community, and tell how best to control them using natural or chemical methods.
6. Identify six common insect pests or diseases *which affect agriculture in your area*. Tell what plants they usually affect, and how to control or prevent their occurrence.
7. ~~Locate two sources of Agricultural weather information. How is this information helpful to the farmer?~~ *Understand a weather map and, using a series of maps, determine a four-day forecast for your area. Record the results. How is this knowledge helpful to the farmer?*
8. What is erosion? How can it be prevented?
9. ~~Know the purpose of the following: plowing, cultivating, harrowing, disking, draining, irrigation and harvesting.~~ *Visit a farm, interview the farmer about his farm and photograph or obtain brochures of machinery used for the following purposes. Describe their use and function.*
  - a. Cultivating
  - b. Zero Tillage
  - c. Planting
  - d. Harvesting
  - e. Irrigation, if applicable
10. *List the advantages and disadvantages of zero tillage agriculture.*
11. *Maintain a log and take photos for one of the following:*
  - a. *Make the plans and do the principle work from preparation and planting to harvest of a farm crop of at least a quarter of a hectare.*

*Or,*

  - b. *Assist in planting, cultivating and harvesting at least four different crops.*

Note: This Requirement replaces Requirements 11 and 12 of the General Conf. Requirements

---

General Conference Reference No: Agriculture YOU5010