



CANADA
4-H Ontario

www.4-hontario.ca

4-H ONTARIO PROJECT



Loyal to the Soil

RECORD BOOK



CANADA

4-H Ontario

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The 4-H Pledge

I pledge my Head to clearer thinking,
my Heart to greater loyalty,
my Hands to larger service and
my Health to better living
for my club, my community and my country.

The 4-H Motto

Learn To Do By Doing

Project Resource Information:

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Thank you to the 4-H Loyal to the Soil Advisory Committee members who assisted with the creation of this resource:

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Club Leaders – Neil Robinson & Lillian Smith; Club Members – Justin Brooks, Jeremy Chevalley, Brandon Doucet, Hayden Doucet, Terry Ennis, Jonas Goodman, Haleigh-Jo tePlate; Stormont 4-H Association

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RECORD BOOK

Record Keeping – Why?

Record Books are to document time and money spent, what you have learned, your ideas, memories and what you liked and didn't like. Your Record Book also....

- Helps you set goals for this project
- Has space to record important dates, your elected executive and the names and contact information of your leaders and club members
- Is a great way to get and stay organized

Down the road when you look back on your 4-H projects these books will be able to remind you what you learned so you can use those skills later in life. It will bring back memories of the project, your 4-H friends, your story and thoughts at the time of the project. You will never forget because this book will act as a reminder! It will also be useful at the Achievement Program, when looking at your progress and when reviewing your accomplishments.

How do I organize my materials?

1. Make your records neat and easy to read. This will make it easier to find information later on, and to share your information with others.
2. Use a three ring binder or duotang to hold your materials and divide your information into sections using dividers. This will keep things from becoming lost and will it easier to find what you need later on. This will also allow you to add extra pages later.

How do I keep good records?

1. Keep track of activities throughout the meetings, as you complete different parts of the project. It's often difficult to remember things that happened in earlier meetings.
2. Make sure the information you write in your Record Book is complete and accurate. If you're not sure about something, ask your leader for help before writing it in your book. You can also consult people in your community or do some research on your own. If you borrow information from someone or someplace else, make sure you write down where you found it.

Remember that this is YOUR Record Book so make it your own! And, remember to bring your Record Book to every meeting!

[illegible]

Who's Who

Club President: _____ Ph. #/E-mail: _____

Vice President: _____ Ph. #/E-mail: _____

Secretary: _____ Ph. #/E-mail: _____

Treasurer: _____ Ph. #/E-mail: _____

Press Reporter: _____ Ph. #/E-mail: _____

Meeting Dates:

	<i>Date & Time</i>	<i>Place</i>	<i>Notes: (Things to bring, remember, etc.)</i>
<i>Meeting 1</i>			
<i>Meeting 2</i>			
<i>Meeting 3</i>			
<i>Meeting 4</i>			
<i>Meeting 5</i>			
<i>Meeting 6</i>			

Leader Name & Contact Information

Member Expectations and Goals

Why did you join the Loyal to the Soil club?

What is one goal that you want to achieve in this project?

Do you have any ideas for fun things to do during the project?

Do you have any ideas for an Achievement Program for the Loyal to the Soil Project? (Keep in mind that an Achievement Program should include the community in some way).

Member Responsibilities

- Be a current paid member of 4-H Ontario
- Attend at least 2/3 of the meeting time allotted for this project
- Complete the Record Book for this project. Bring it with you to each meeting!
- Put your Record Book in a binder or duotang so you don't lose any of the pages.
- Complete any other projects as required by the club leaders.
- Remember the more you put into your 4-H club the more you will get out of it!

Roll Calls – In my Opinion.....

	<i>Roll Call:</i>	<i>My Answer:</i>
<i>Meeting 1</i>		
<i>Meeting 2</i>		
<i>Meeting 3</i>		
<i>Meeting 4</i>		
<i>Meeting 5</i>		
<i>Meeting 6</i>		

Project Summary – Loyal to the Soil Project

A. Member Comments

1. What did you gain from taking this project?

2. Which meeting or topic was the most/least interesting? Why?
 - a. Most:

 - b. Least:
3. Comment and/or give suggestions for improvements on the overall project (eg. activities, tours, achievement program plans, member presentations, special activities, judging information).

4. What interests would you like to explore through future 4-H projects?

B. Parent/Guardian Comments:

C. Leader Comments:

This project has been completed satisfactorily!

Member:

Leader:

Date:

Leader:

Judging Card

Criteria:

1. *Is the item made properly?*
2. *Does the item serve the purpose for the class it is in?*
3. *Is it the proper size for its purpose?*
4. *Does it smell and/or look like it should?*

5. _____

6. _____

7. _____

****note:** additional requirements can be added to list specific to the item being judged

I place this class of _____ , _____ , _____ , _____

I place _____ first because _____

I place _____ over _____ because _____

I place _____ over _____ because _____

I place _____ 4th because _____

For these reasons, I place this class of _____ , _____ , _____ , _____

Official Placing

Activity #1

Finish the Sentence

NOTE: Be sure to use ***the same soil test site*** that you used for the professional lab test if you want to compare the results to your own home tests! Note, your results still won't likely be the exact same as there will likely some variability in how the soil samples were taken and how the tests are conducted. But try it and see how close you can be!

1. If I could travel anywhere in the world, I would go to _____

Name: _____

2. Last night I _____

Name: _____

3. My favourite breakfast food is _____

Name: _____

4. The hobby I'm most obsessed with is _____

Name: _____

5. By the time I'm _____ years old, I want to _____

Name: _____

6. If I won the lottery, I would _____

Name: _____

Activity #15

Soil pH Testing Worksheet

NOTE: Be sure to use ***the same soil test site*** that you used for the professional lab test if you want to compare the results to your own home tests! Note, your results still won't likely be the exact same as there will likely some variability in how the soil samples were taken and how the tests are conducted. But try it and see how close you can be!

Date:

Soil Test Site:

	pH meter	pH test kit	pH pool strips	Professional lab test
Colour				
pH				
Acidic, alkaline or neutral?				

Discussion:

- Which method was the most accurate to the professional lab test?
- Which method did not work at all (and was a waste of time and money)?
- If the pH is not at the correct level, what will you do to amend the soil?

Meeting #4 - Take Home Activity #1

5-YEAR CROPPING & TILLAGE HISTORY

Size of project field: _____

Soil type: _____

Year	Crop Grown	Yield	Tillage Method
This year			

Senior Members

- Talk with a farmer and ask questions about his/her history. Compare crops and yields with each tiling method.
- Think about and compare the effects on the soil and crops with each tillage method.
 - o Yield of crops, growth of plants/roots, structure and erosion of soil, leaching, runoff, etc.
- Talk with a farmer who uses a no-tilling method. Compare results.

Activity #21

Let It Drain Away

Observations:

Sample	Amount of Water Used	Amount of Water Drained	Amount of Water Held
Sand			
Loam			
Clay			

EXTRA ACTIVITIES

Activity #37

Plants Memory Game

Memory games can be a lot of fun! Begin the game with the phrase, “When I go walking outside my favourite crop to see is.....” and finish the phrase by adding one item. As each person takes a turn they add a new item and then they must repeat, in order, the items other people have added. The items can be real or silly items. When a person makes a mistake, they are out of the game. It will be fun to hear the silly additions and even more fun to find out how many items members will see before the game ends.

Other phrases could include:

“Soil is important because.....”

“One threat to soil health is.....”

Activity #38

Ball Toss

This is a review exercise. Have everyone stand up and form a circle so that everyone is facing inwards looking at each other. Toss a foam ball or bean bag to a person and have them tell what they thought was the most interesting fact or idea that was discussed at the meeting relating to the meeting topic. They then toss the ball to someone else and that person explains what they thought

Activity #37

Soil Health Word Search

S U W Q F B F I A C R K U P L D V H L N C O P H E H T D Z I
 N H L K M A O L D A O A P Y S E X F D O W P A T T Q C F G N
 J T D V W I J L K X T E E L E H K E P L O W I N G G S B Z R
 D I Z M M C M G R D A R X K C J B T I E B I Y N N U P W X N
 N O I T C A P M O C T B W W O D S A K F F K Y S M H I Y S E
 U Q U J F O T S R P I D O O E G K W U B M H L L O M Y I C N
 H Z Z F N K R Q U Y O N F E B A L F B J K I T I P T L R D Y
 A K U U H J T K C R N I S A P Q H B B W Z A G F E T D I A D
 L A M O A U Q O R F O W D R A I N A G E R B R E F K W Y C L
 A A J J K M M I K O W H M H G M X W Z U O J J M J Q Z Q U Q
 D Q T I O F A P H Q O J P G E T A W C Y Z O G Y U O L Z R X
 U Z X Y R P P N L Q R S N S H U P D C C A D Y C A N J M D N
 N E G O R T I N U Z M V B M O L U N E B E M W P G L V Y C M
 B Q A W Q D Z R J R S R U N L H F A D I U L U A X R C P A K
 Q P U F I P W Y P N E X Q F W P P S I I V C B X T S Y I B M
 C M T C J Q T C Q H L D M E X T U X S G M R E G F E X X N Y
 I A E C N I T H T R W K Y U Y R H S N J P C V G V J R N M E
 K D L Z G I F A L Z N H D R L B A M S J K M X P A R A W L Q
 I E S D C D F M T J D C F K D T X Z X N M E Y U P L O X A P
 K Q I W O S Z Q C O O G L Z O I Q L U O I N L M L W L K P Y
 F M E P K L V J H N R X G P N L V P U F R C L Z I H R I R G
 C P G J J C Y Y S W Z F K B O F J O W I X V Q N A L H A T I
 M W X X Q S H E E Z R Y V I I U J V B X J W W P X N I J C Y
 E K M S L B R H D Y S H M Z S H L M Y Y E I L U Z N F B A A
 D J G I R V U B W I G W H W O Q Z L C U X Q X Q F Y S E P C
 Q O C Y A I Z P F N T R E D R N M O W A H P T A O J K I C H
 M W I T D P Y G F V A W Z Y E S A C X W S Z L U C N E T S G
 M N I O Y C S G E T Z W G S V R F H B Y M L J K M I M F A P
 P O X O Z V H L J U H D I W N M W B U J J G G Y T V P U U M
 N Q D U H V X O B Q K K W P Q O Y W T Y S W T Y E Q K N I T

CLAY
 COMPACTION
 CONSERVATION
 DRAINAGE
 EROSION
 LOAM
 MANURE
 NITROGEN
 PHOSPHORUS
 PLOWING

POTASSIUM
 RAINFALL
 ROTATION
 SAND
 SEEDBED
 SILT
 TILLAGE
 WATERWAY
 WINDBREAK
 WORMS