

















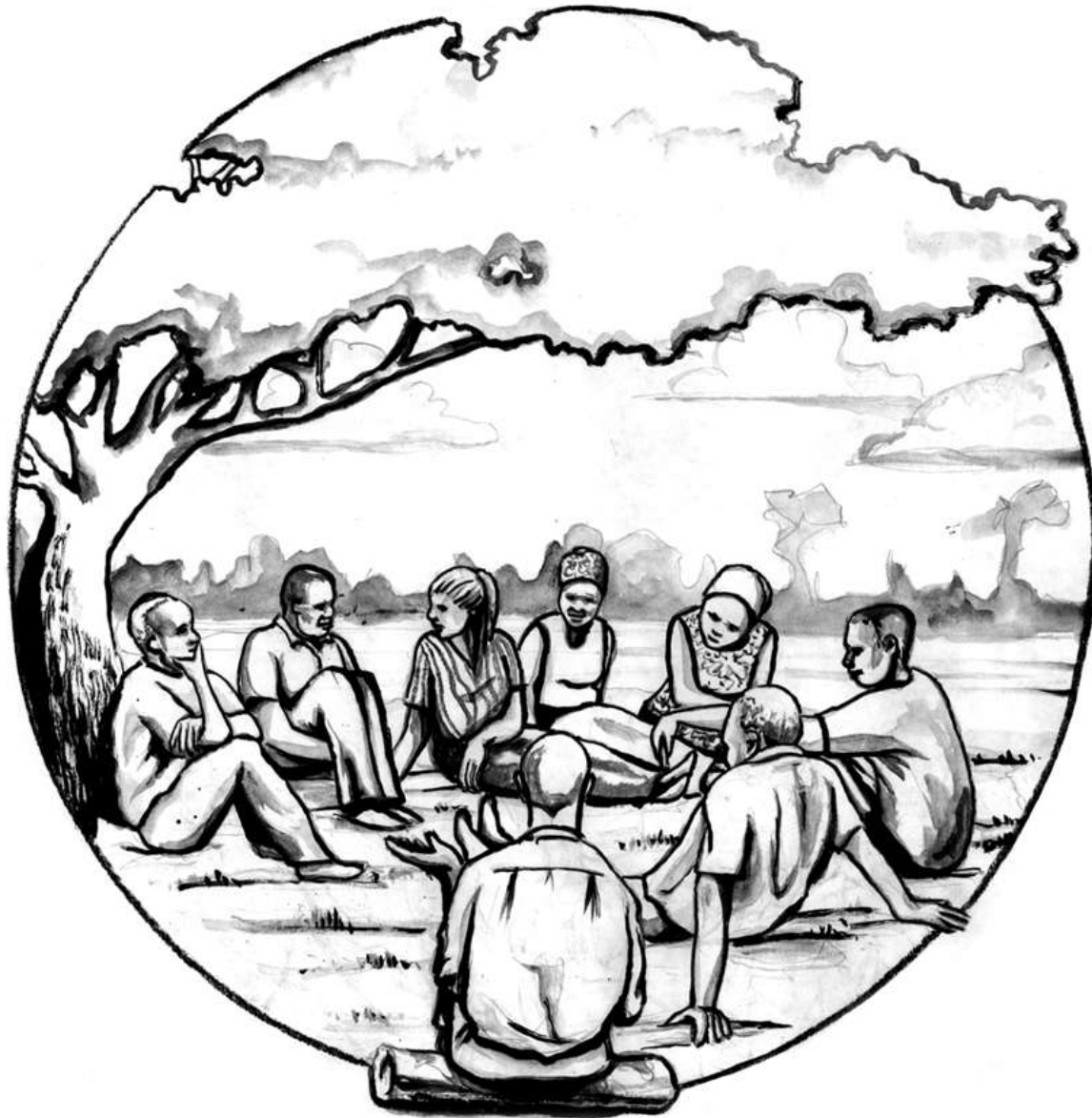






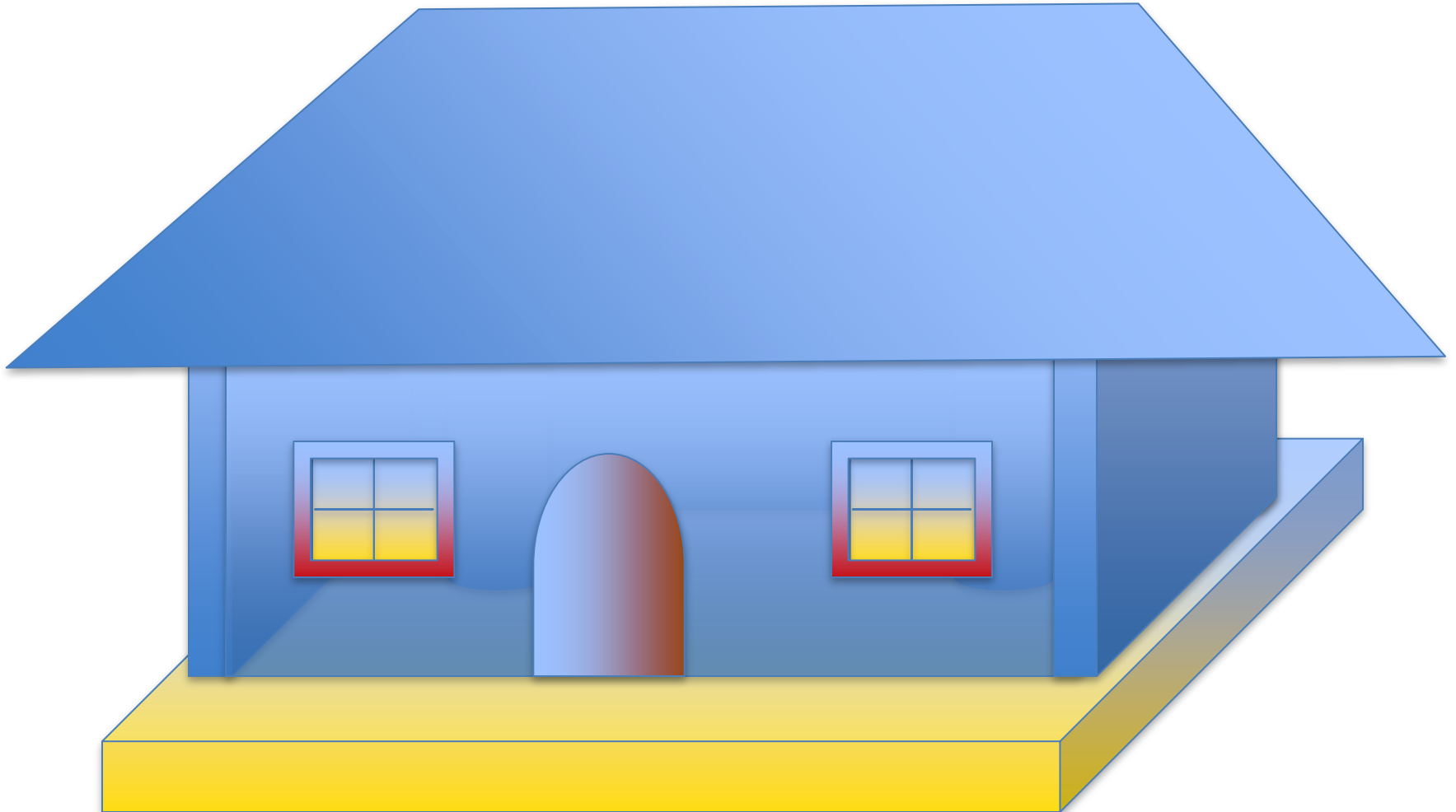


# FOUNDATIONS FOR FARMING





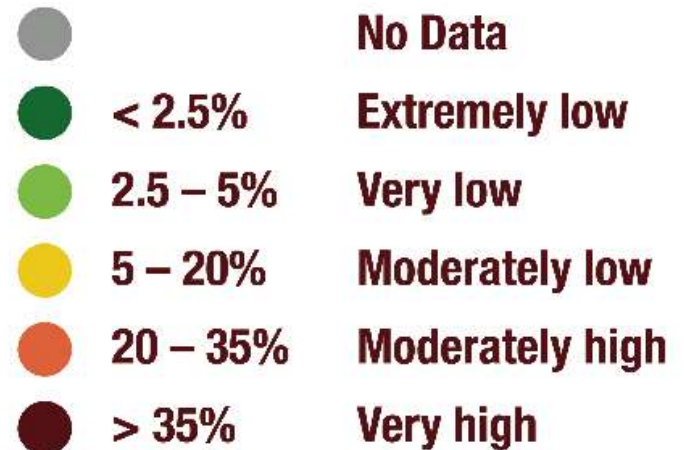
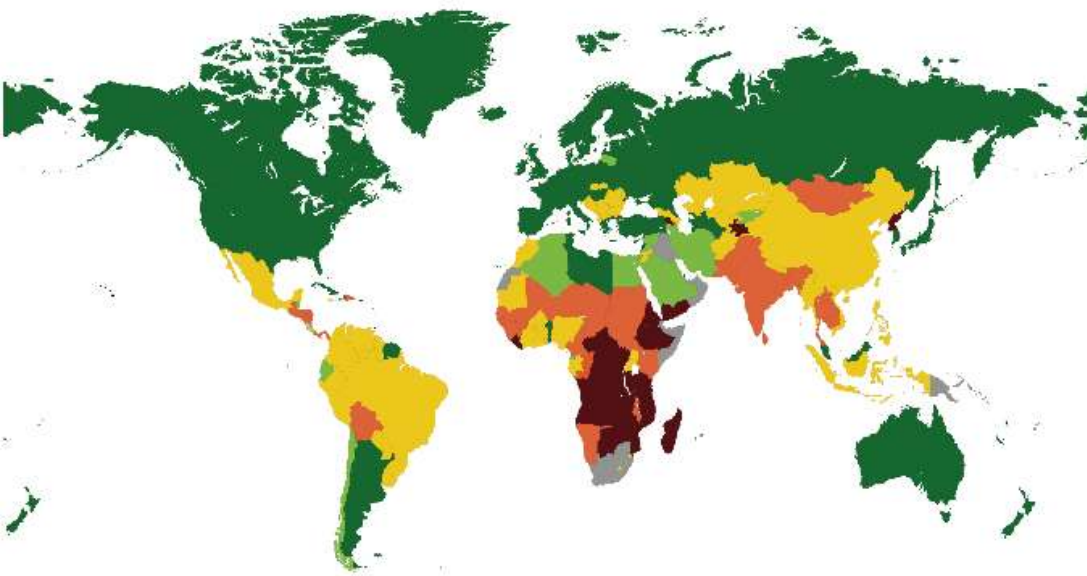
# FOUNDATIONS FOR FARMING





# FOUNDATIONS FOR FARMING

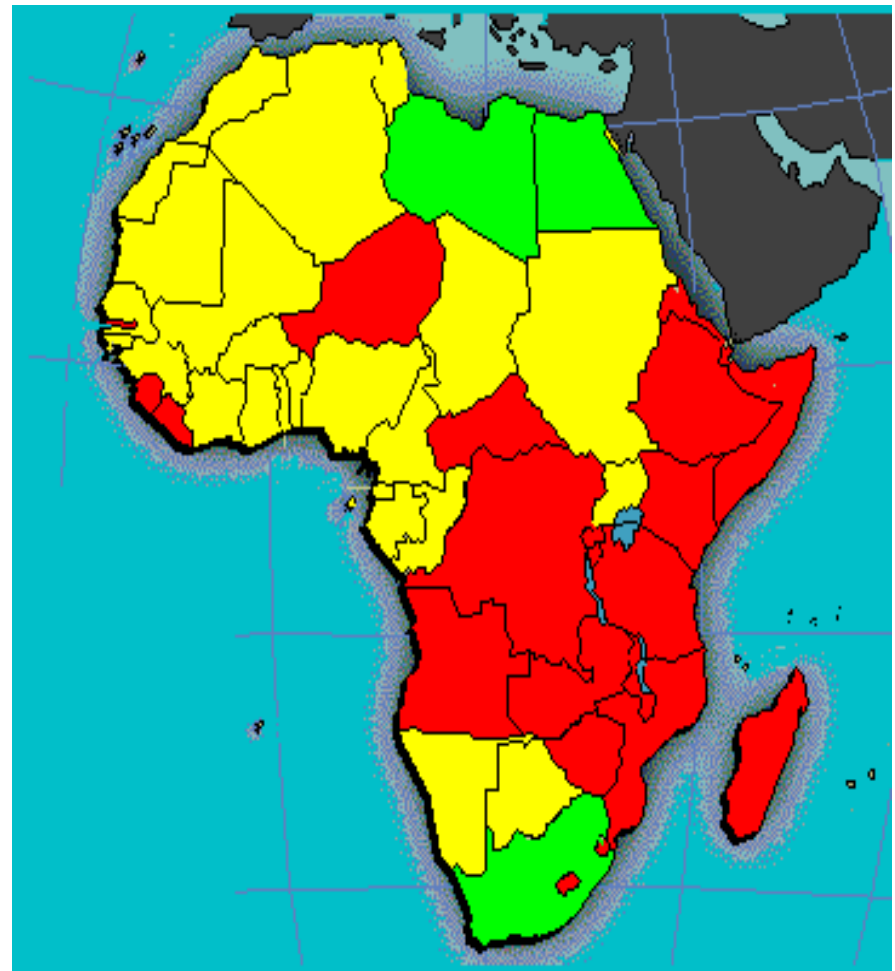
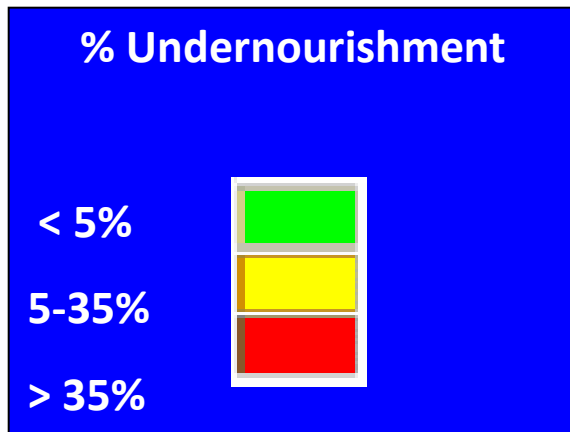
## WE HAVE A PROBLEM





# FOUNDATIONS FOR FARMING

## Undernourishment in Africa

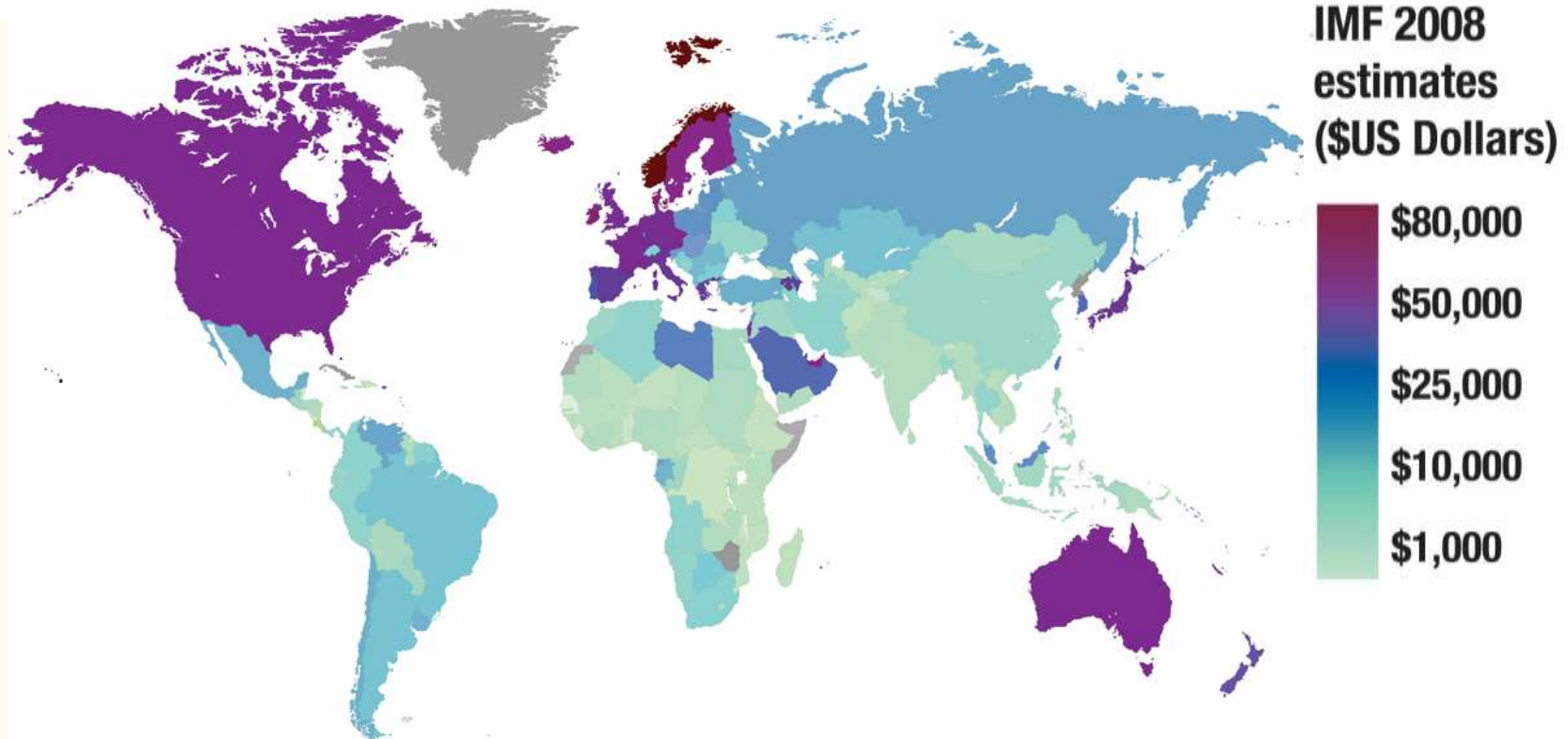




# FOUNDATIONS FOR FARMING

## WE HAVE A PROBLEM

- Africa's GDP is poor

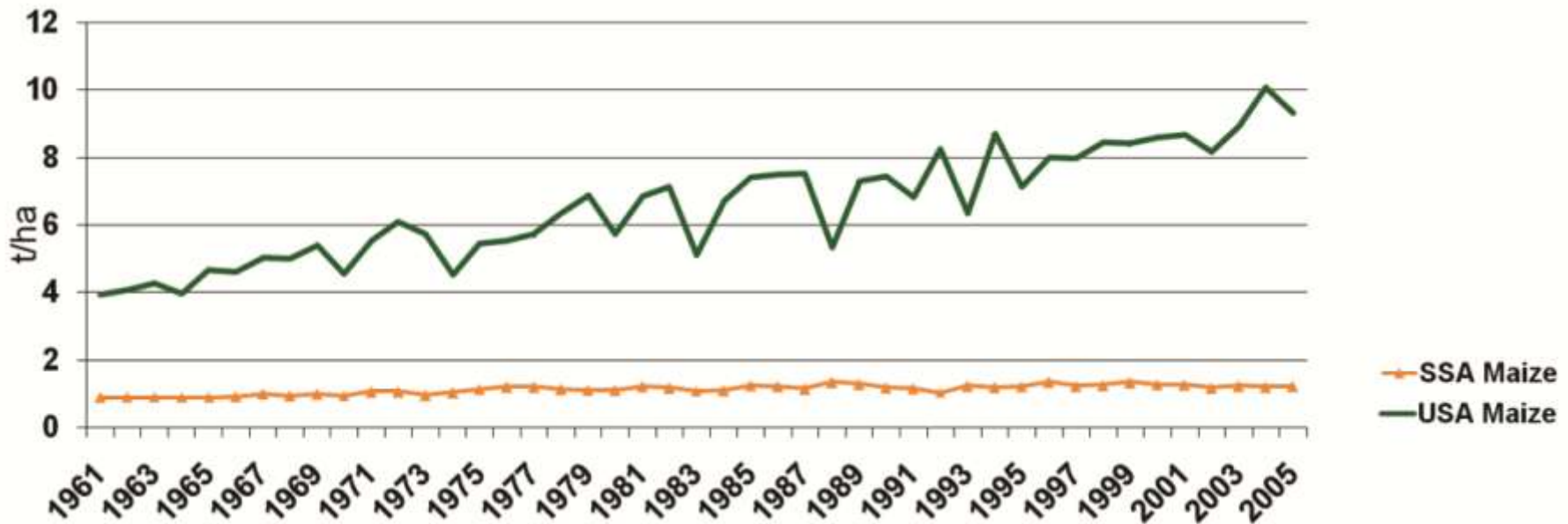




# FOUNDATIONS FOR FARMING

## WE HAVE A PROBLEM

- Sub Saharan Africa's maize yields are not increasing







# FOUNDATIONS FOR FARMING

## WHY HAVE WE FAILED?

### Potential for sustainable development

- Sub Saharan Africa has received \$2,000 billion of aid in last 50 years.
- Africa's GDP is often quoted as under 2.5% of the world's.
- This is the same as Mexico, one small nation.
- What are we doing wrong?



# FOUNDATIONS FOR FARMING

## BEAUTIFUL AFRICA

### **□ Potential for sustainable development**

- Africa has 30% of the world's natural resources.
- Sub Saharan Africa has
  - good climate
  - good rainfall
  - fertile soils
  - many people to work

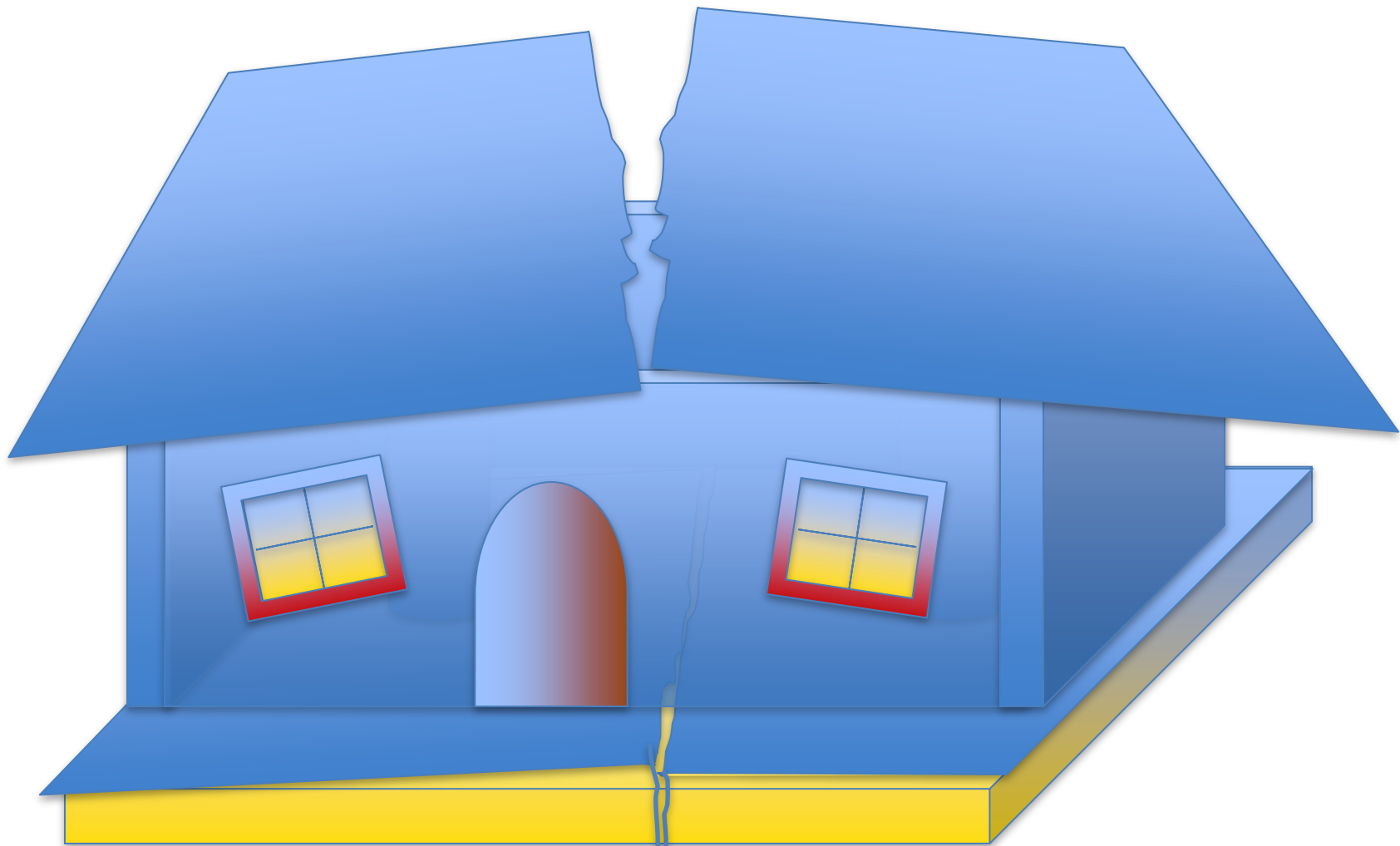


# FOUNDATIONS FOR FARMING



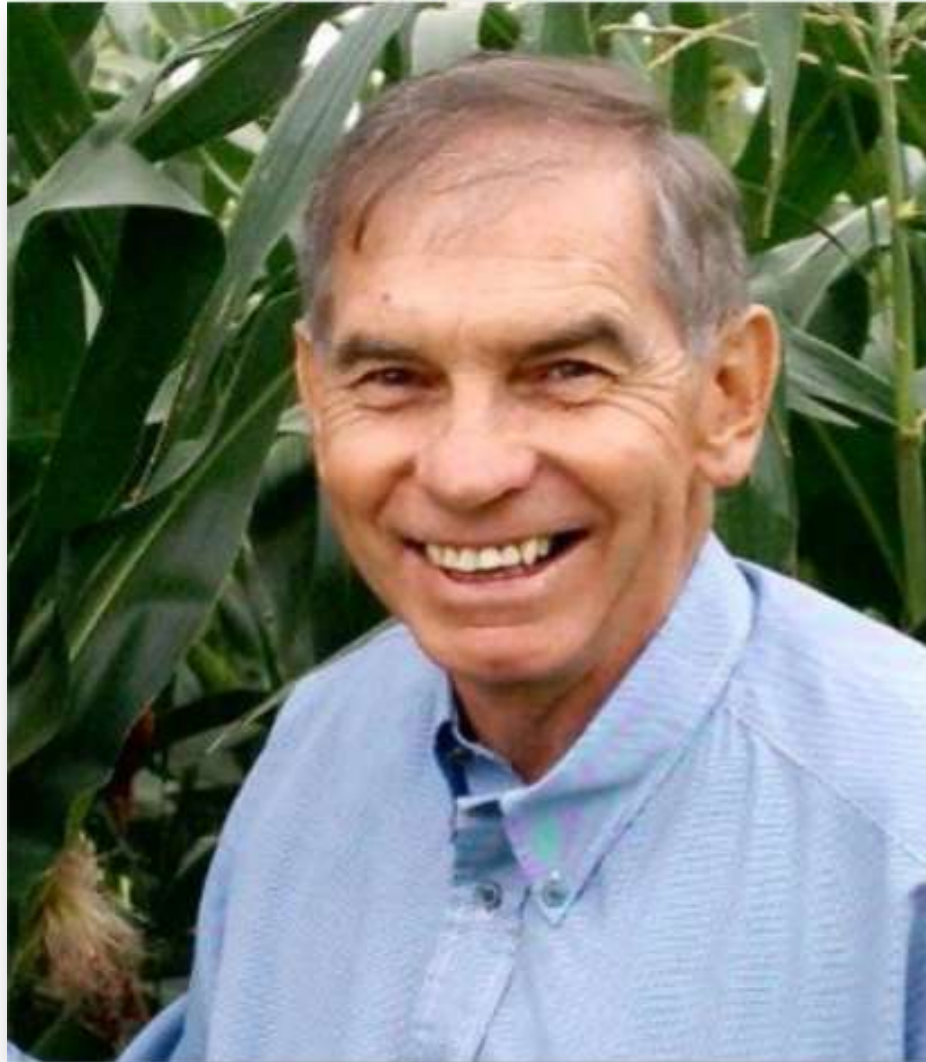


# FOUNDATIONS FOR FARMING





# FOUNDATIONS FOR FARMING





# FOUNDATIONS FOR FARMING





# FOUNDATIONS FOR FARMING

## ▣ PROBLEM WITH FARMING

- ▣ A farmer in Zimbabwe convicted of growing tobacco.
  - 1 Corinthians 10:31.
  - Lost his farm & was humbled.
  - Moved to another farm which was in financial difficulty.
  - Mechanical costs rising while yields were declining.
  - Soil, water & seed being washed away.



# FOUNDATIONS FOR FARMING

## GOD'S WAYS ARE BEST

- ☐ God is the best farmer.
  - We need to follow his ways by having the humility to acknowledge that he knows best, give up our agendas & follow Him wholeheartedly.
  - Proverbs 3:5-6.





# FOUNDATIONS FOR FARMING





# FOUNDATIONS FOR FARMING

## THE ANSWER

- ☐ Romans 1:20.
  - God reveals
    - mulch cover on the surface
    - no ploughing in nature
    - no burning in nature



# FOUNDATIONS FOR FARMING

## THE ANSWER

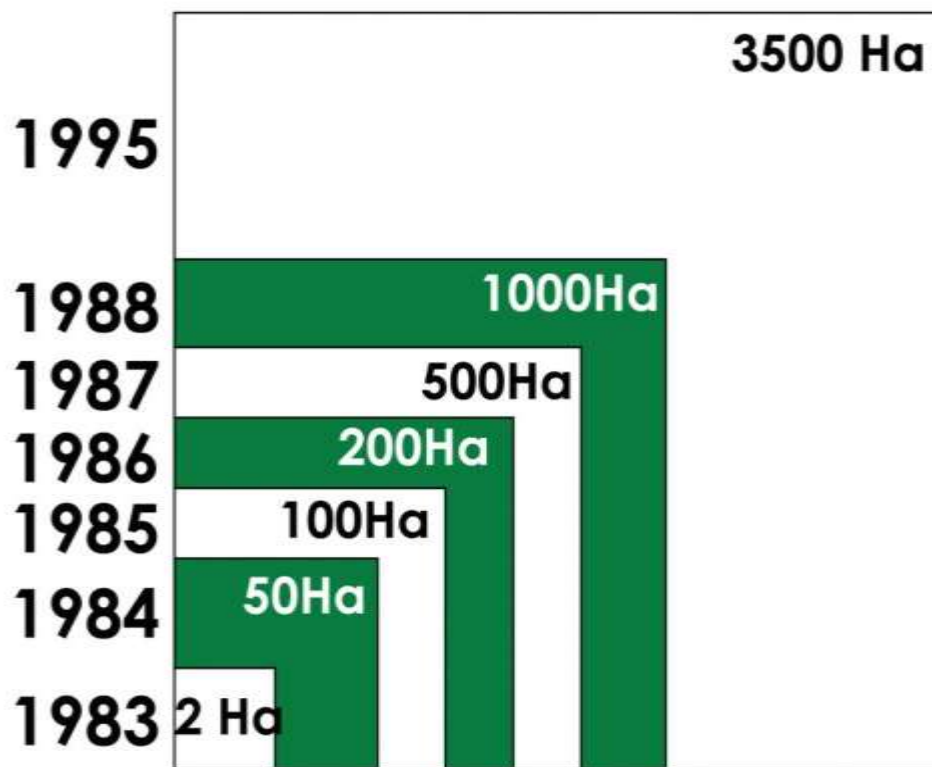


2005/11/28



# FOUNDATIONS FOR FARMING

**Brian started with just two hectares under Zero Tillage in 1983**



**The farm made a turnaround:**

**Farm average yields increased:**

Maize 4.5 t/Ha → 9.5 t/Ha

Soyas 2 t/Ha → 3 t/Ha

Wheat 6 t/Ha → 8 t/Ha

Cotton 2.5 t/Ha → 3.5 t/Ha

**Highest recorded field scale yields by 2001:**

Maize 13.95 tonne/Ha

Soyas 4.27 tonne/Ha

Wheat 10.2 tonne/Ha

**Costs decreased:**

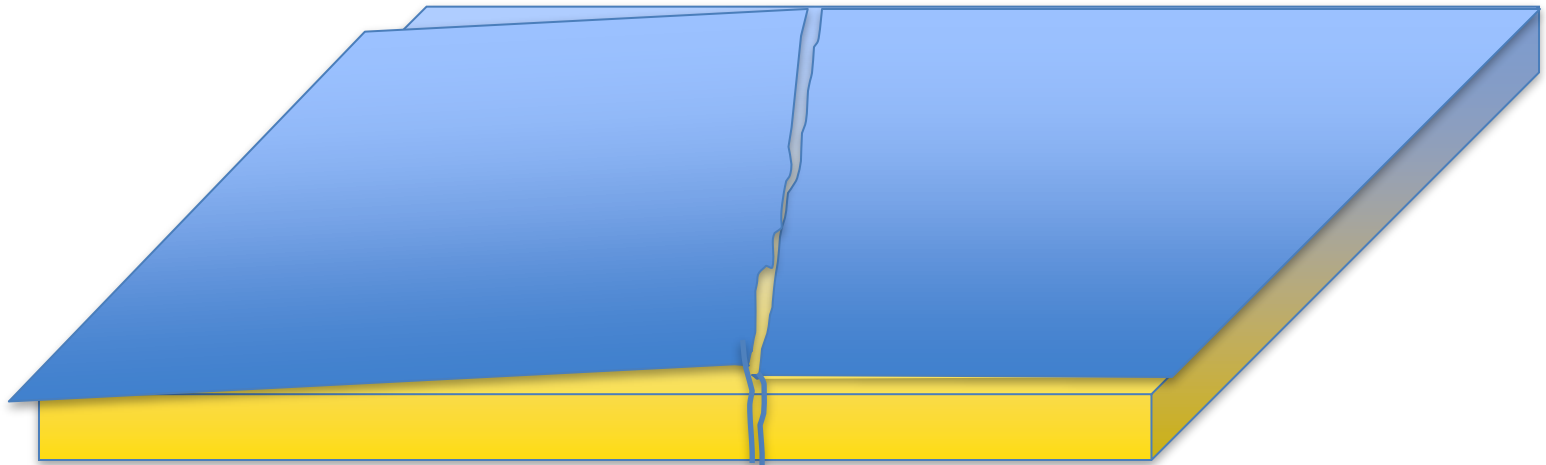
Land Prep 75 Litres/Ha → 15 Litres/Ha

Draught Power 2 HP/Ha → 2 Ha/HP



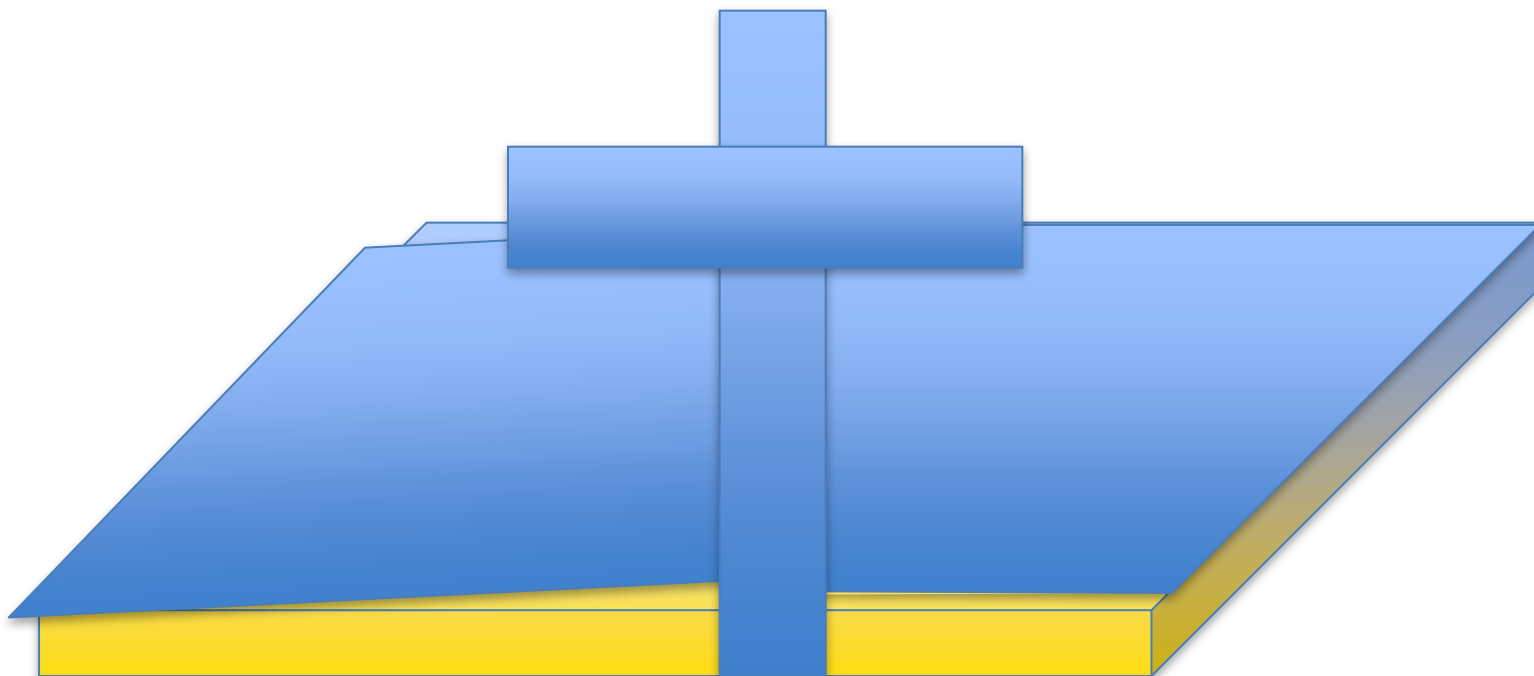


# FOUNDATIONS FOR FARMING





# FOUNDATIONS FOR FARMING





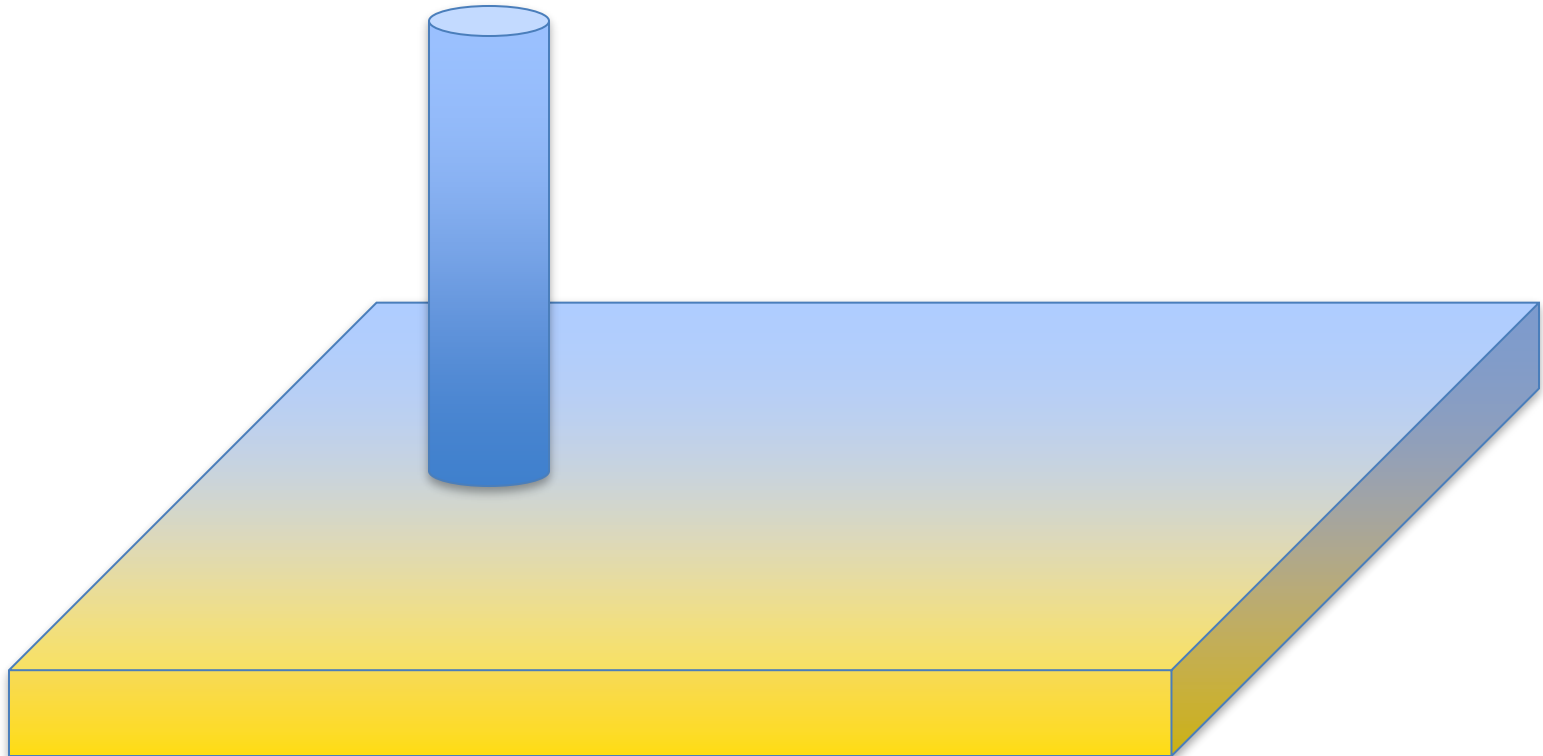
# FOUNDATIONS FOR FARMING







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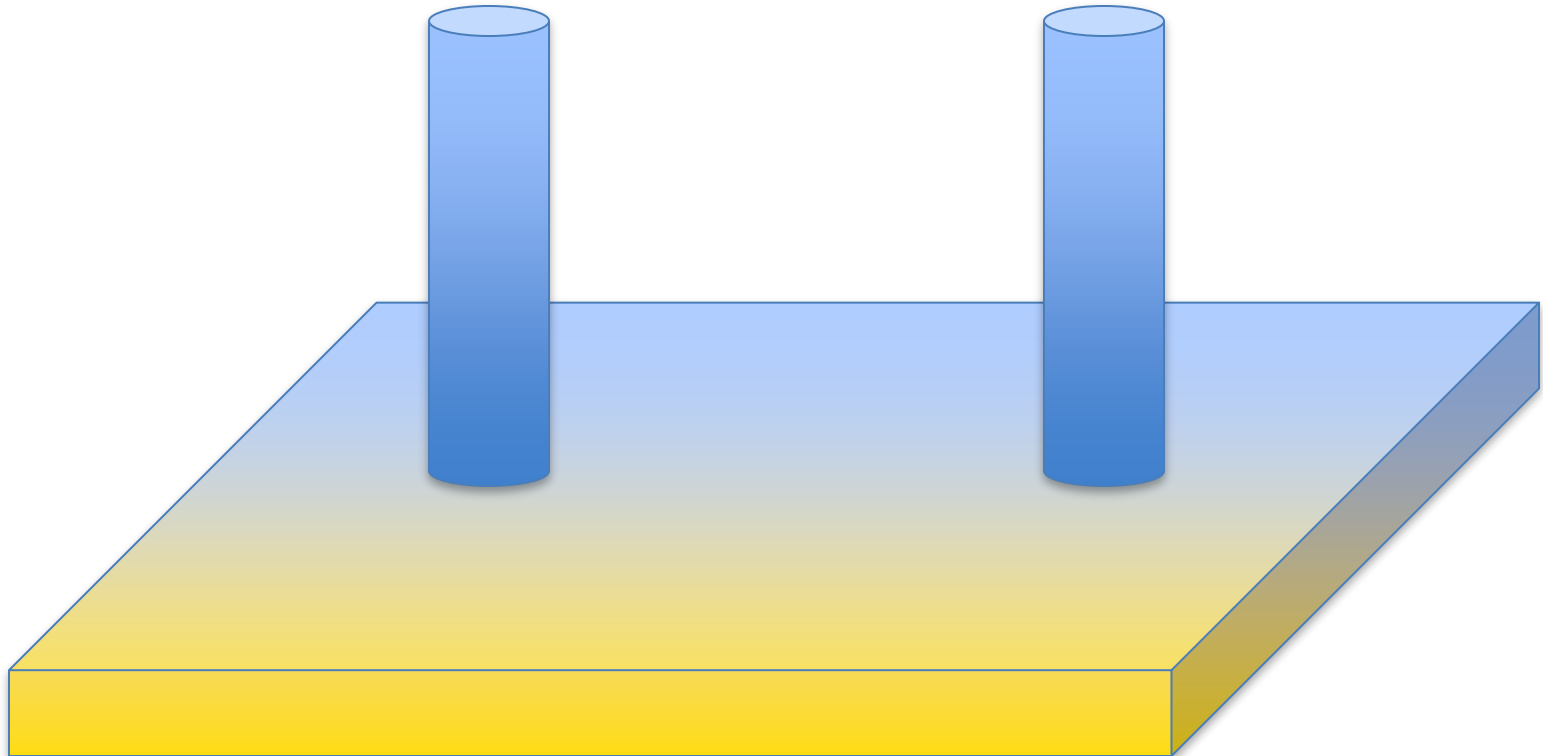


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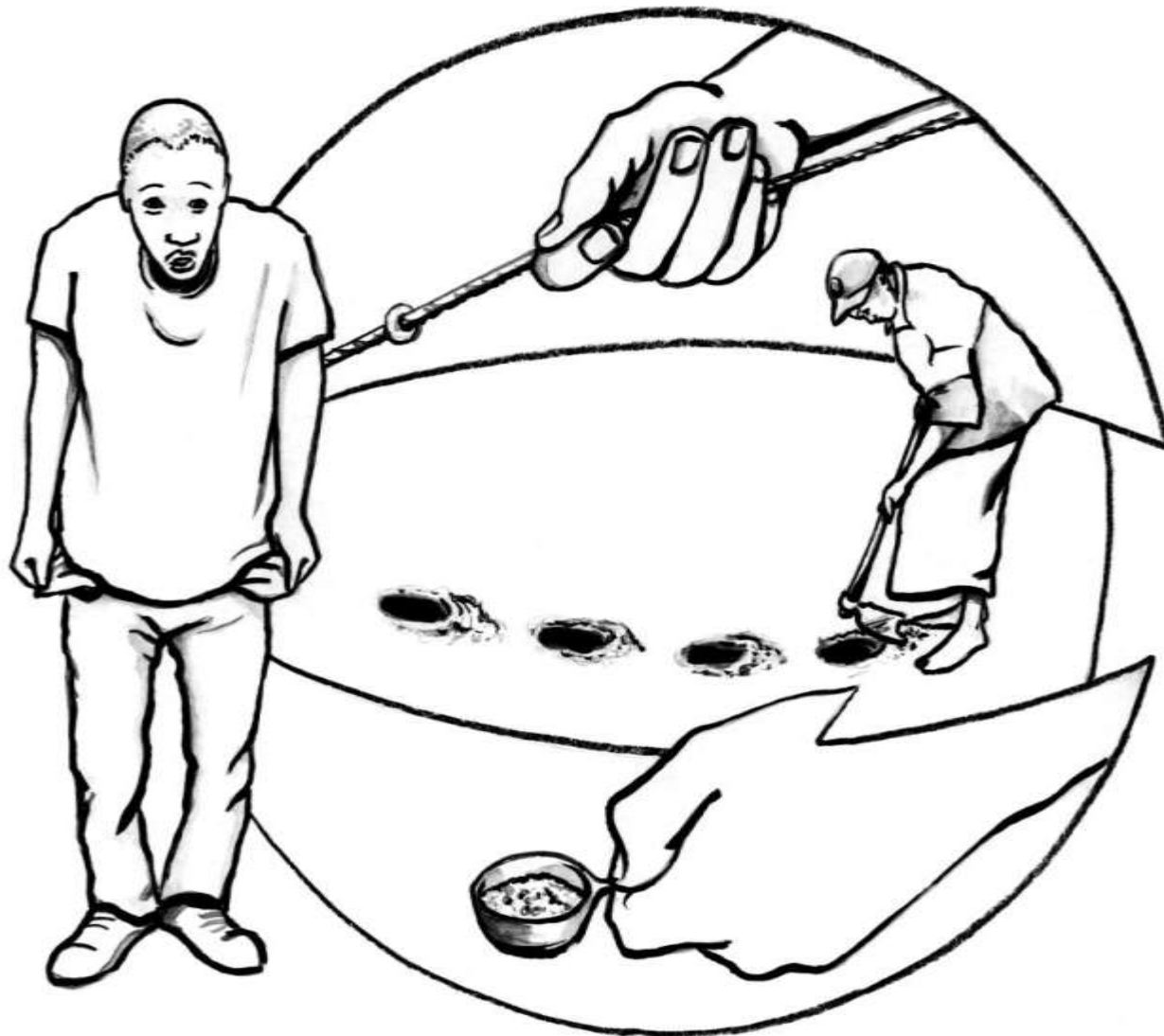


# FOUNDATIONS FOR FARMING





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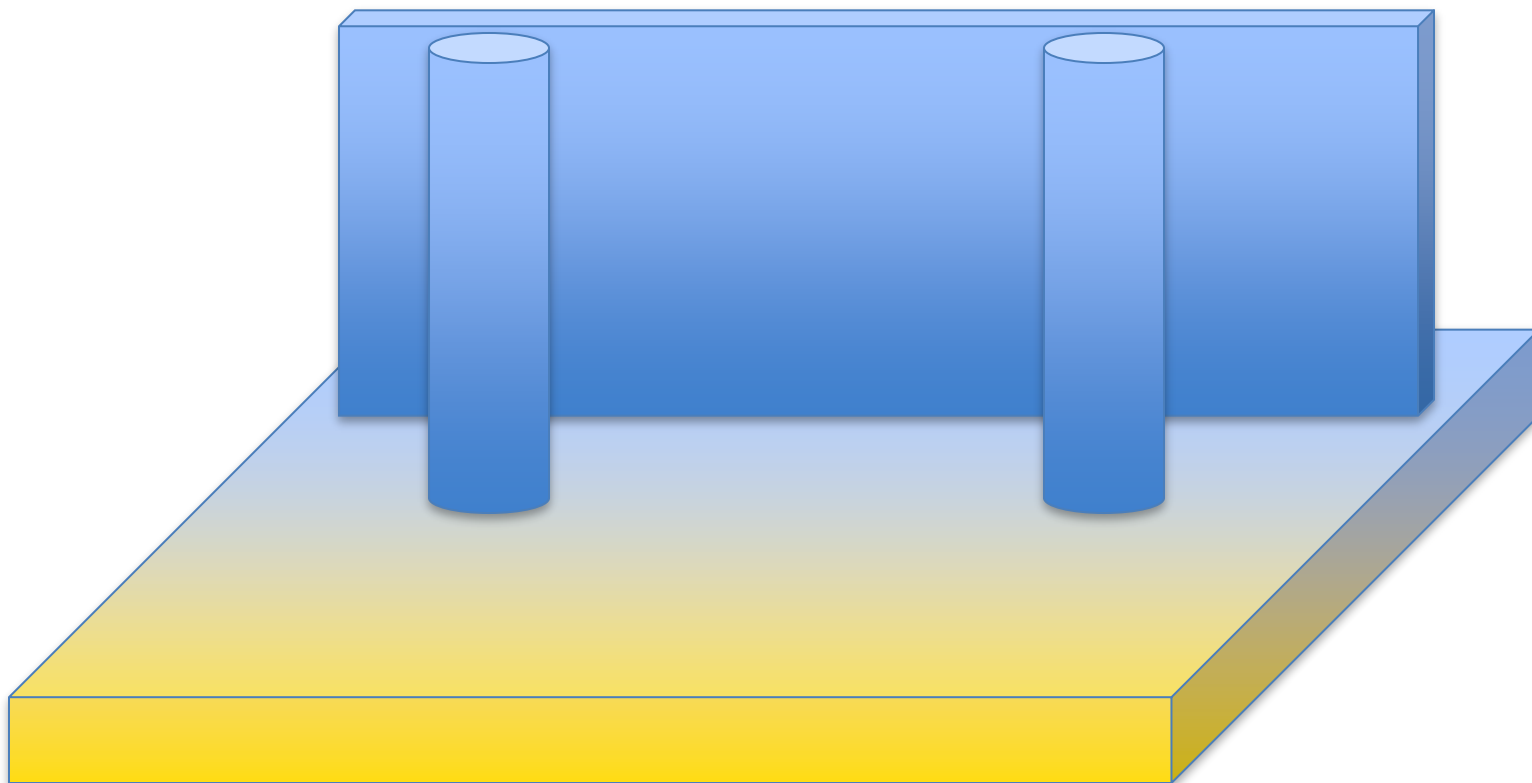
## ISAIAH 58

### Isaiah 58.

- Religious acts while we are still selfish & disunified will not affect God.
- God is interested in our hearts.
- A genuinely loving & unselfish heart will express itself in acts of kindness. Helping the poor is the height of unselfishness that God loves.
- This change of heart will bring the change we long for and is an important foundation for the rebuilding of Mozambique and Africa.



# FOUNDATIONS FOR FARMING





# FOUNDATIONS FOR FARMING





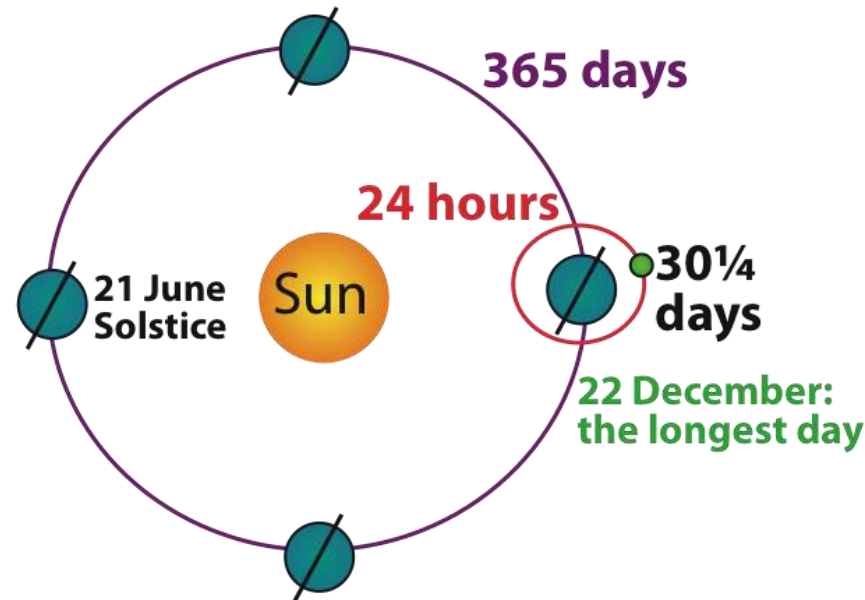
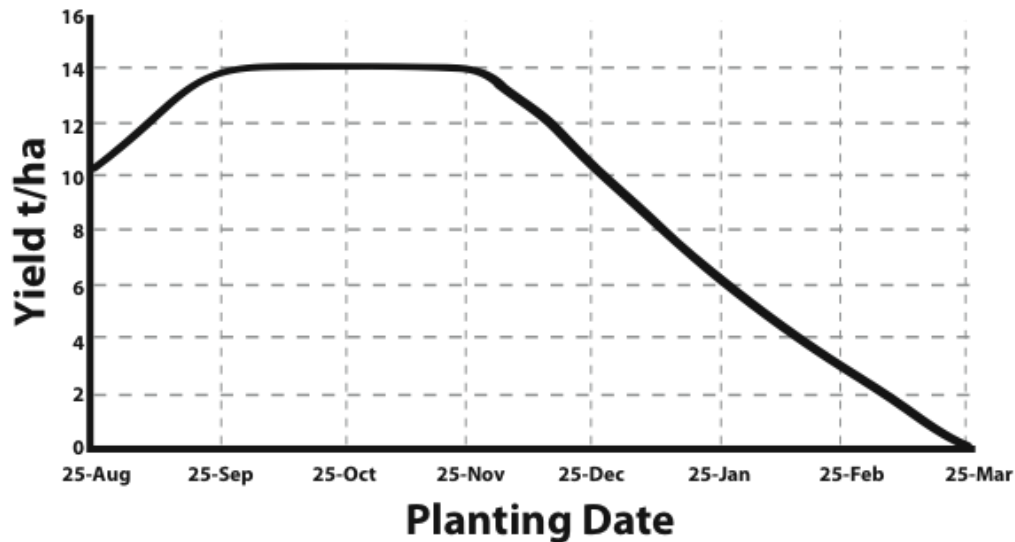


# FOUNDATIONS FOR FARMING

## IMPLEMENTATION MANAGEMENT

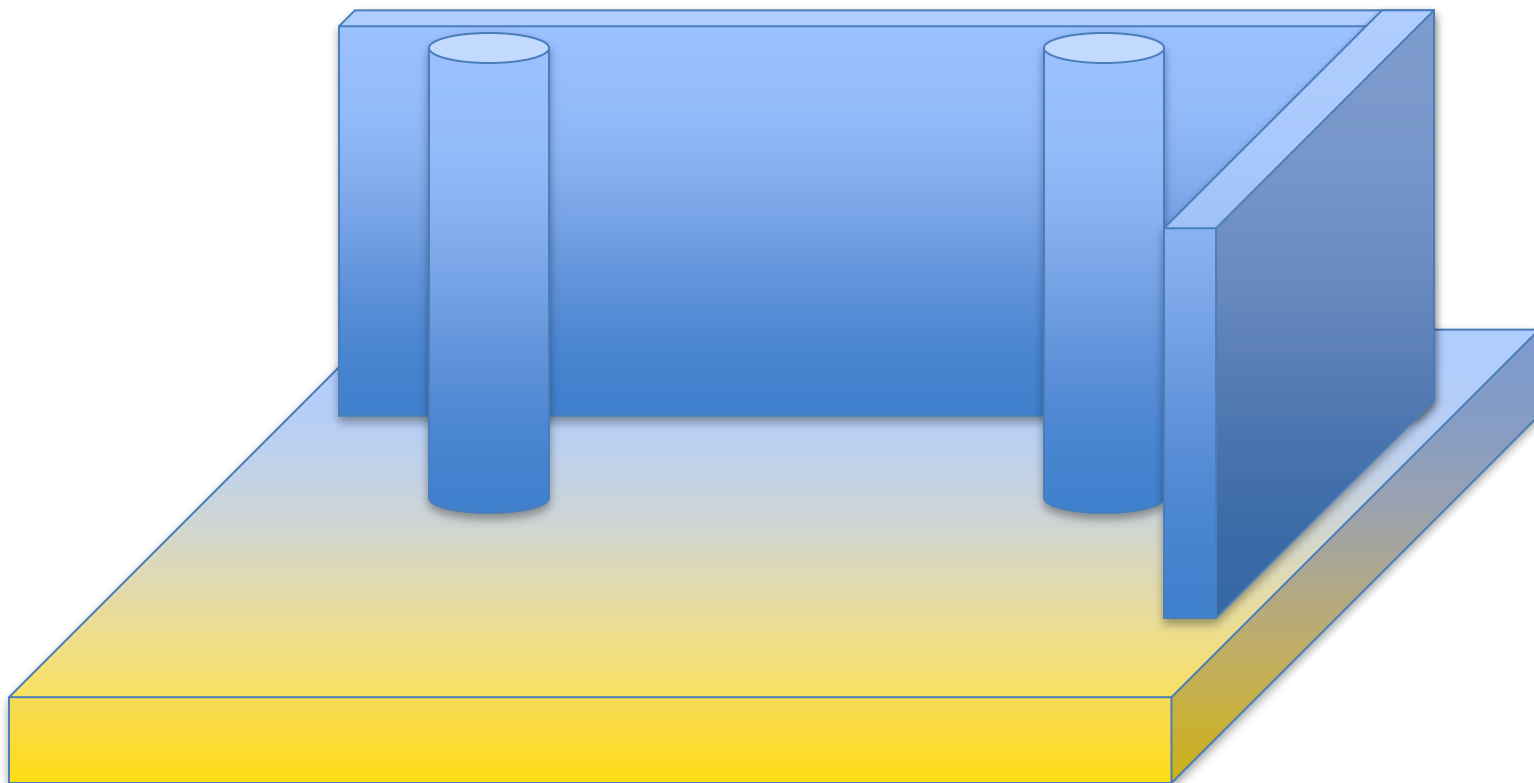
- On Time

### Crop Yields Based on Sowing Date





# FOUNDATIONS FOR FARMING





# FOUNDATIONS FOR FARMING





# FOUNDATIONS FOR FARMING

## AT STANDARD

- ☐ Genesis 1:31 – God made the world beautifully & precisely.
- Psalm 139:14 - People are fearfully and wonderfully made.
- Genesis 6:14-18 – The instructions for the ark were very precise.
- 1 Kings 7:13-51 – The temple was to be made with intricate beauty.
- Ezekiel 40-42 – The temple in the millennial kingdom will be precisely measured.
- Proverbs 3:5-6 – The key to high standards is to be wholehearted!
- Jer 29:11-13 Rev 3:15-16.



# FOUNDATIONS FOR FARMING





# FOUNDATIONS FOR FARMING



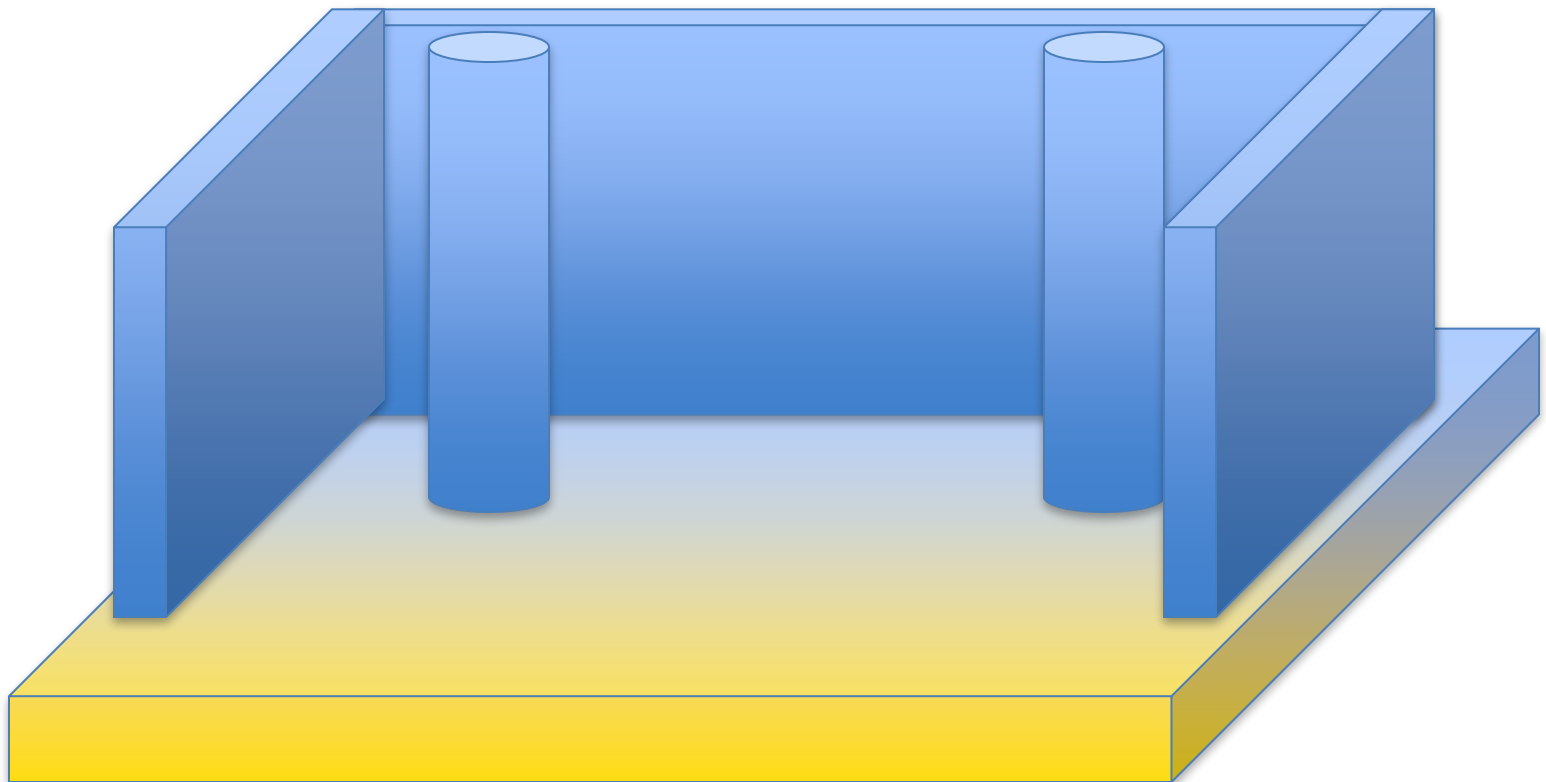


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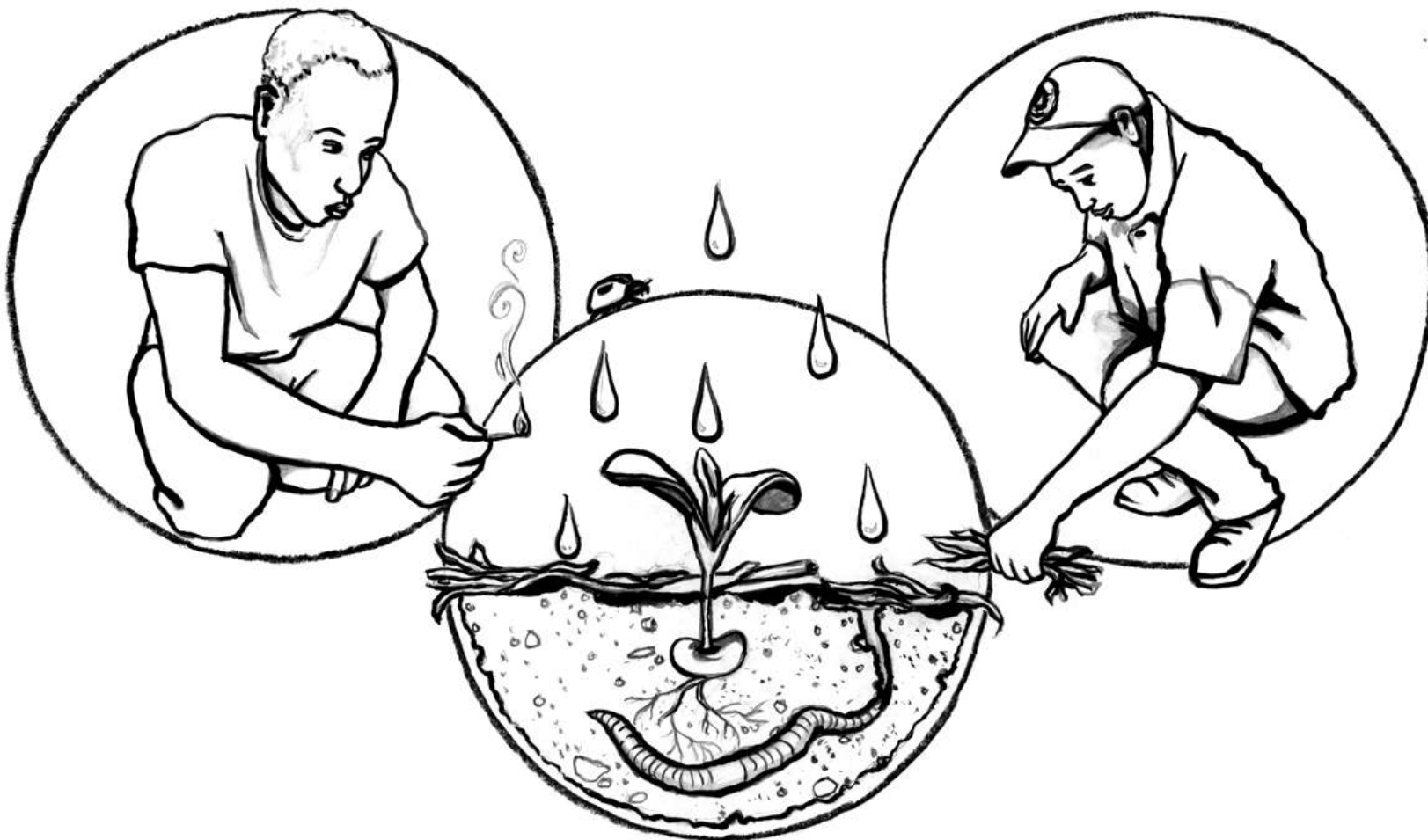
# FOUNDATIONS FOR FARMING







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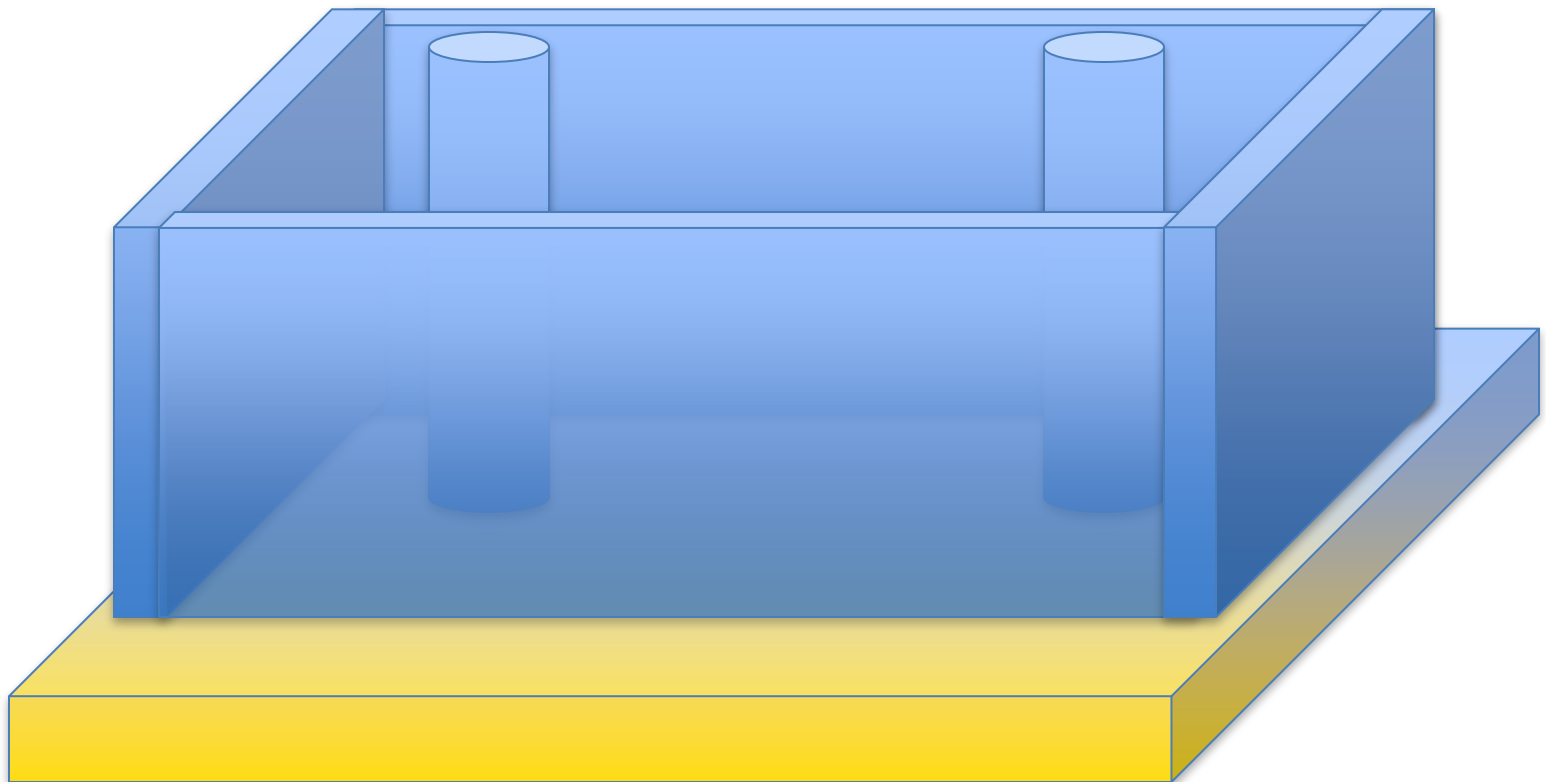


# FOUNDATIONS FOR FARMING





# FOUNDATIONS FOR FARMING





# FOUNDATIONS FOR FARMING





# FOUNDATIONS FOR FARMING

## WITH JOY

- When we are on time, doing things to a good standard and without wastage, hope begins to rise.
- Hope leads to joy.
- Joy is our strength (Nehemiah 8:10).
- This strength helps us to actually **do** our farming.





# FOUNDATIONS FOR FARMING





# FOUNDATIONS FOR FARMING

The technology

A 3D diagram of a house. The roof is a large blue trapezoid. The walls are blue and have a slight gradient. The foundation is a yellow rectangular block. The house is shown from a perspective view, with the front and right sides visible.

## Conventional Farming

100mm  
Rainfall

Bare soil surface

90mm  
Runoff



## Farming God's Way

100mm  
Rainfall

God's Blanket

6mm  
Runoff

Catches Runoff



## Conventional Farming

100mm  
Rainfall

Bare soil surface

90mm  
Runoff

10mm Infiltration  
Shallow penetration  
Insufficient

## Farming God's Way

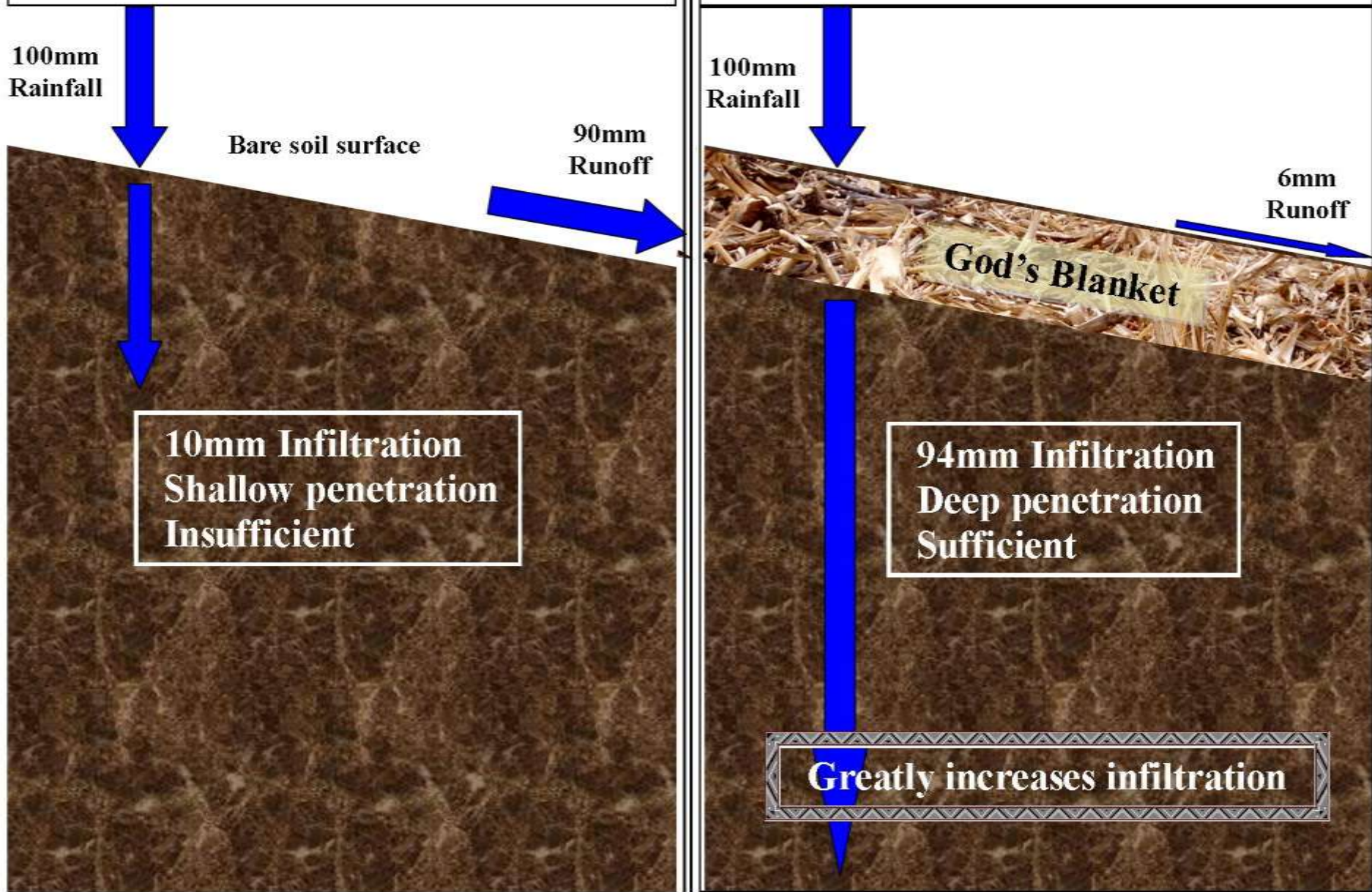
100mm  
Rainfall

God's Blanket

6mm  
Runoff

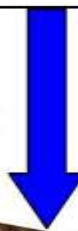
94mm Infiltration  
Deep penetration  
Sufficient

Greatly increases infiltration



## Conventional Farming

100mm  
Rainfall



**High  
Evaporation**

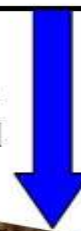
**Bare soil surface**



High daytime soil temperature  
No shade effect  
High evaporation rate

## Farming God's Way

100mm  
Rainfall



**Little  
Evaporation**

**God's Blanket**



Cool daytime soil temperature  
Shade effect  
Low evaporation rate

Greatly reduces soil moisture  
loss from evaporation

## Conventional Farming

100mm  
Rainfall

*Bare soil surface*

30 tons/ha

Soil loss > 30t/ha  
High raindrop impact  
Crusting  
Sheet erosion  
Africa's greatest export  
Inheritance Lost

## Farming God's Way

100mm  
Rainfall

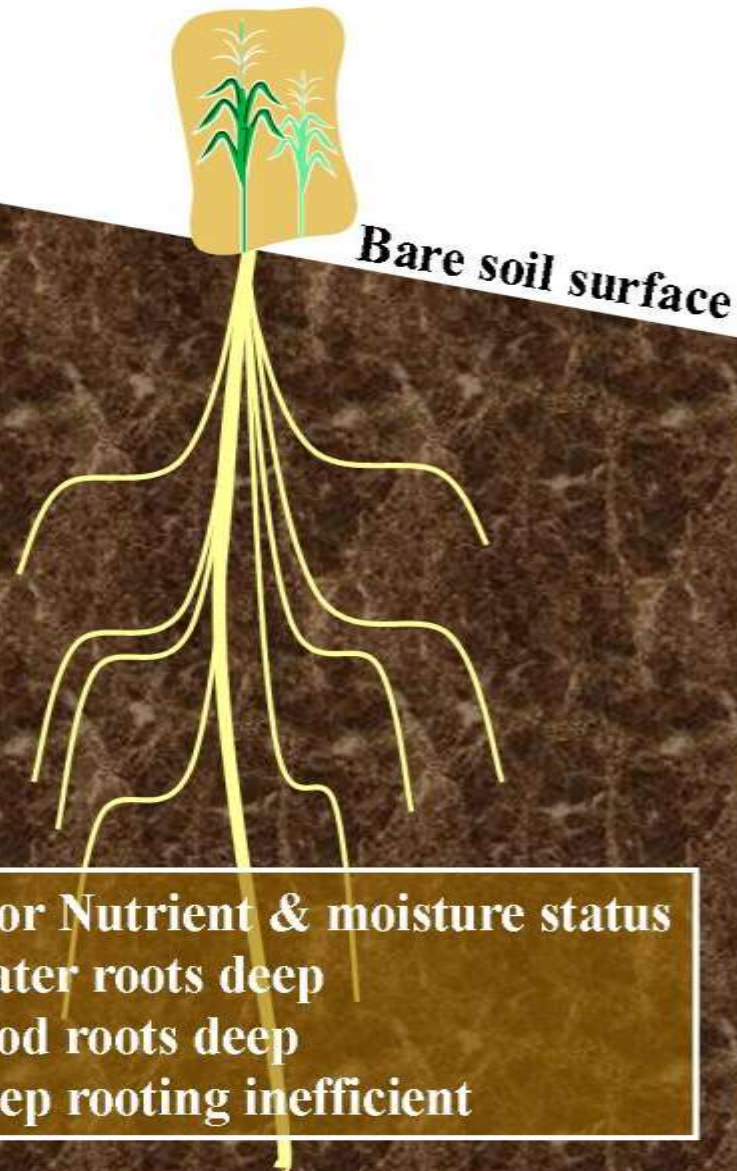
*God's Blanket*

0.6 tons/ha

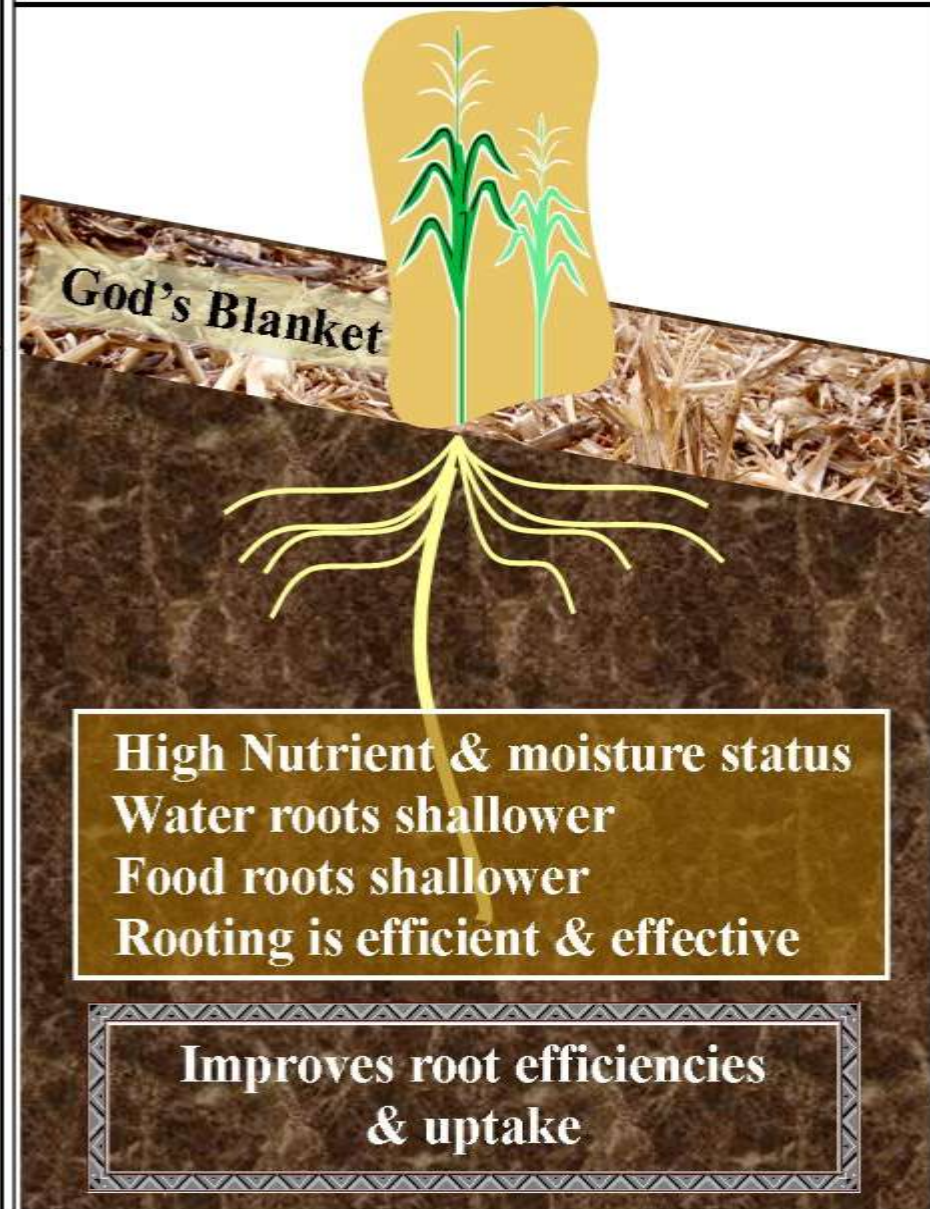
Negligible soil loss  
Reduced raindrop impact  
No crusting  
Blanket Protection  
Preserving assets  
Inheritance preserved

**Greatly reduces soil erosion**

## Conventional Farming

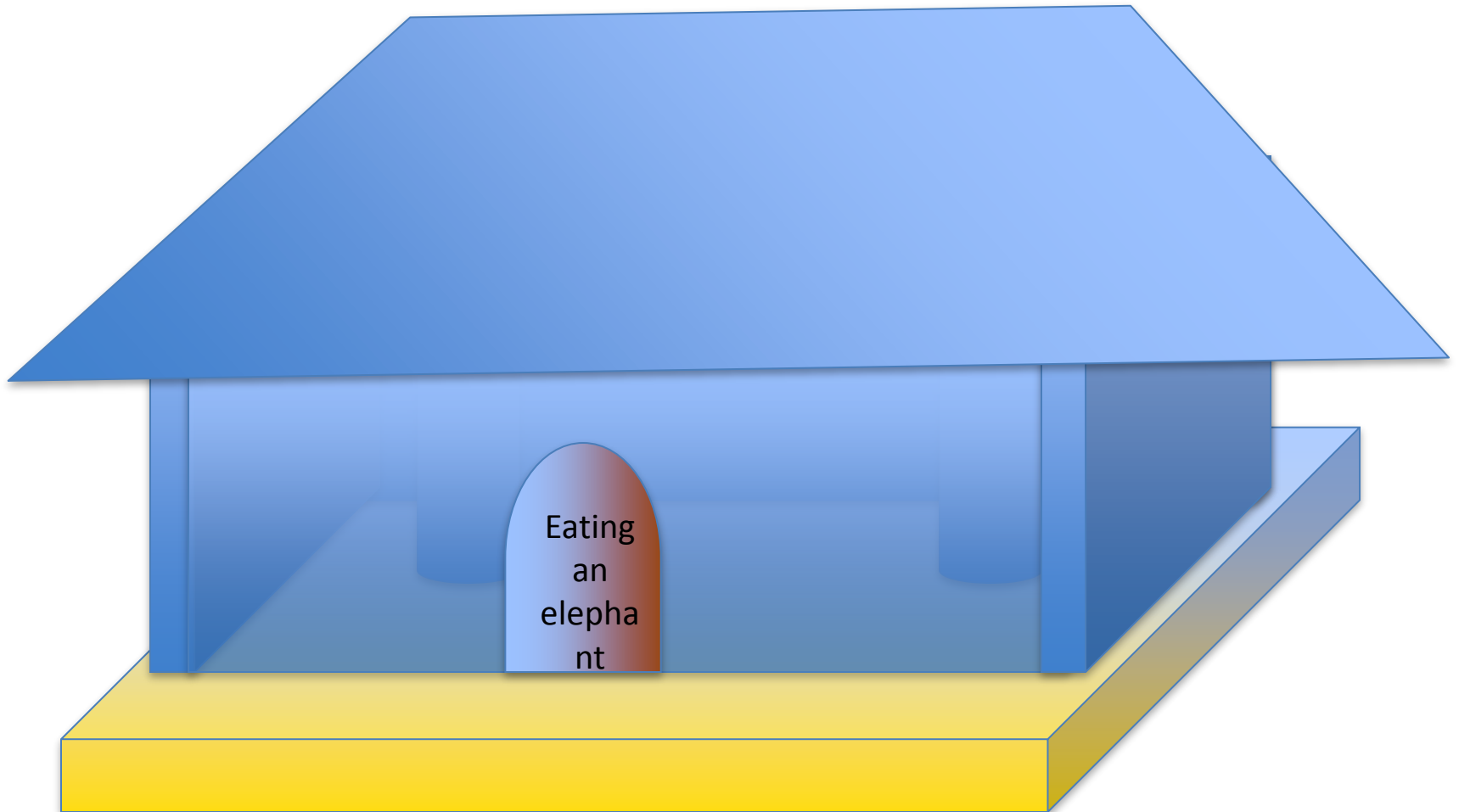


## Farming God's Way





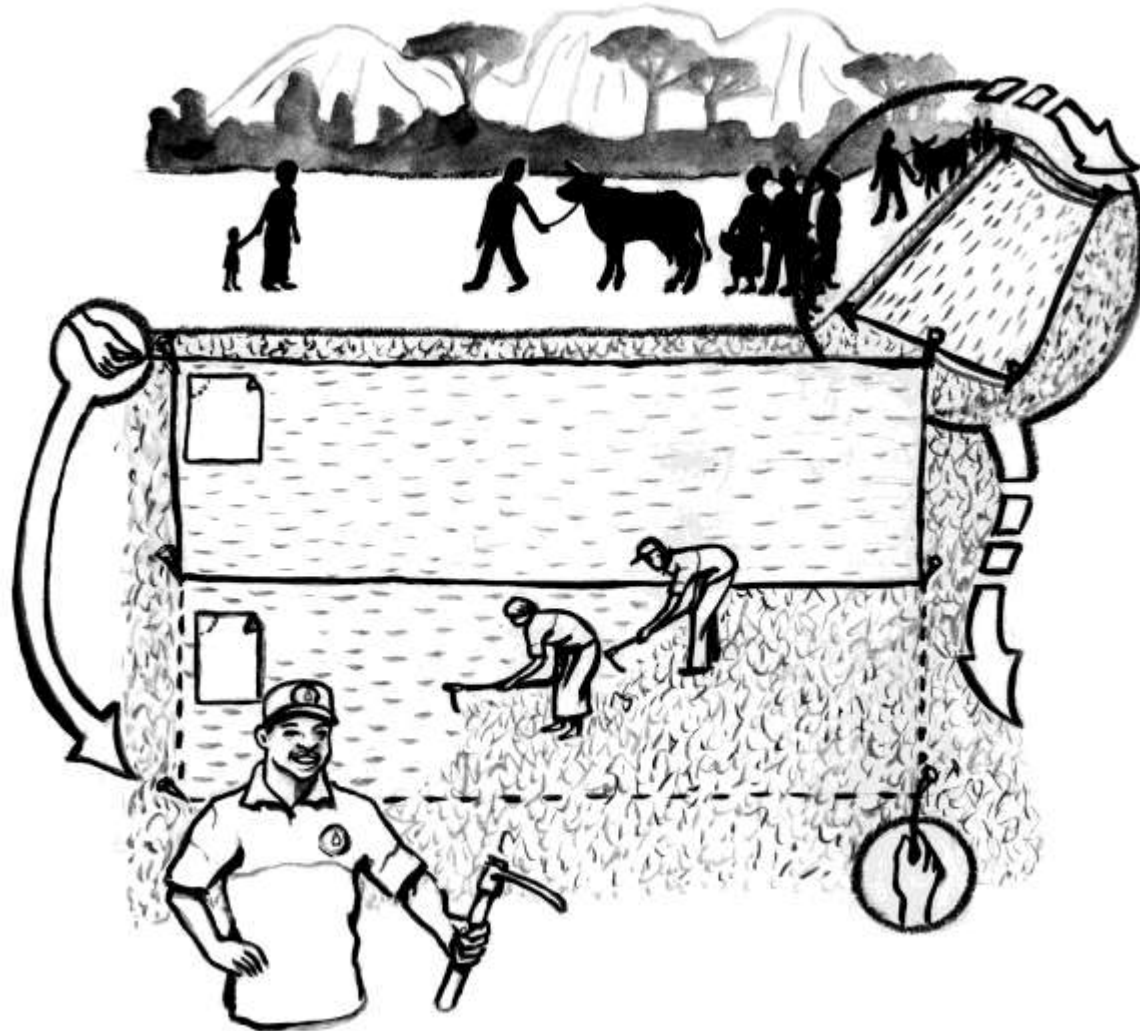
# FOUNDATIONS FOR FARMING





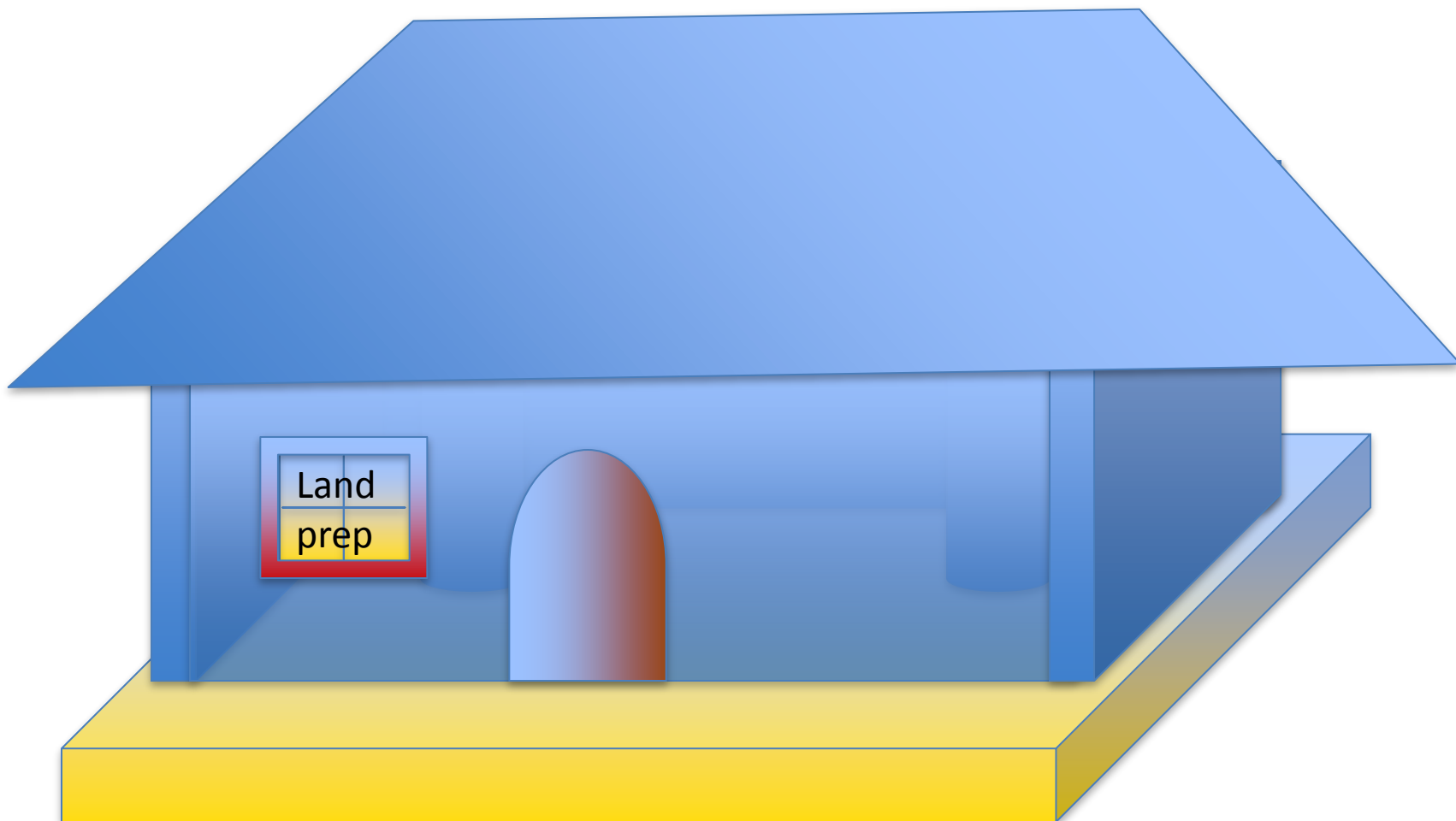


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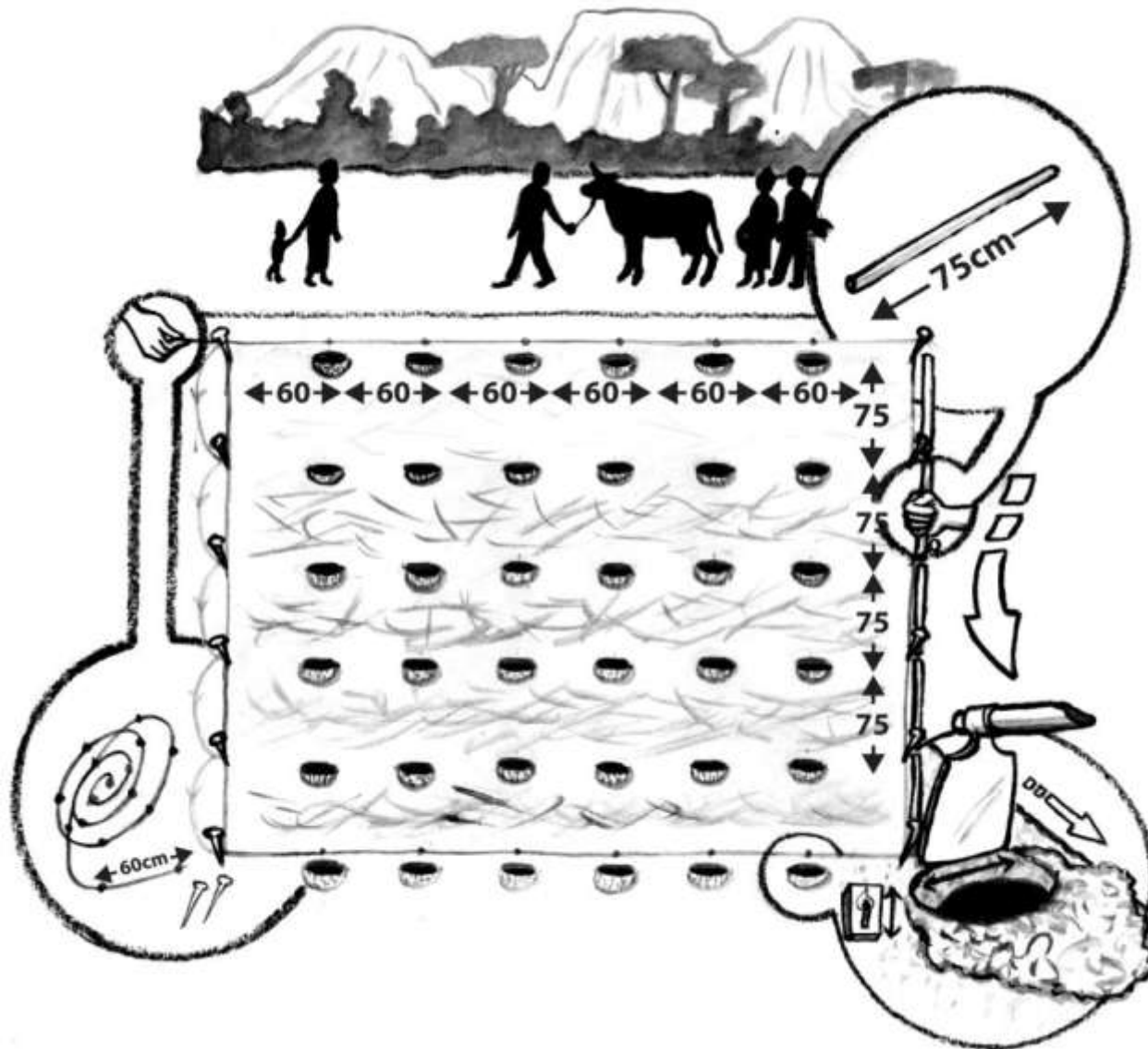


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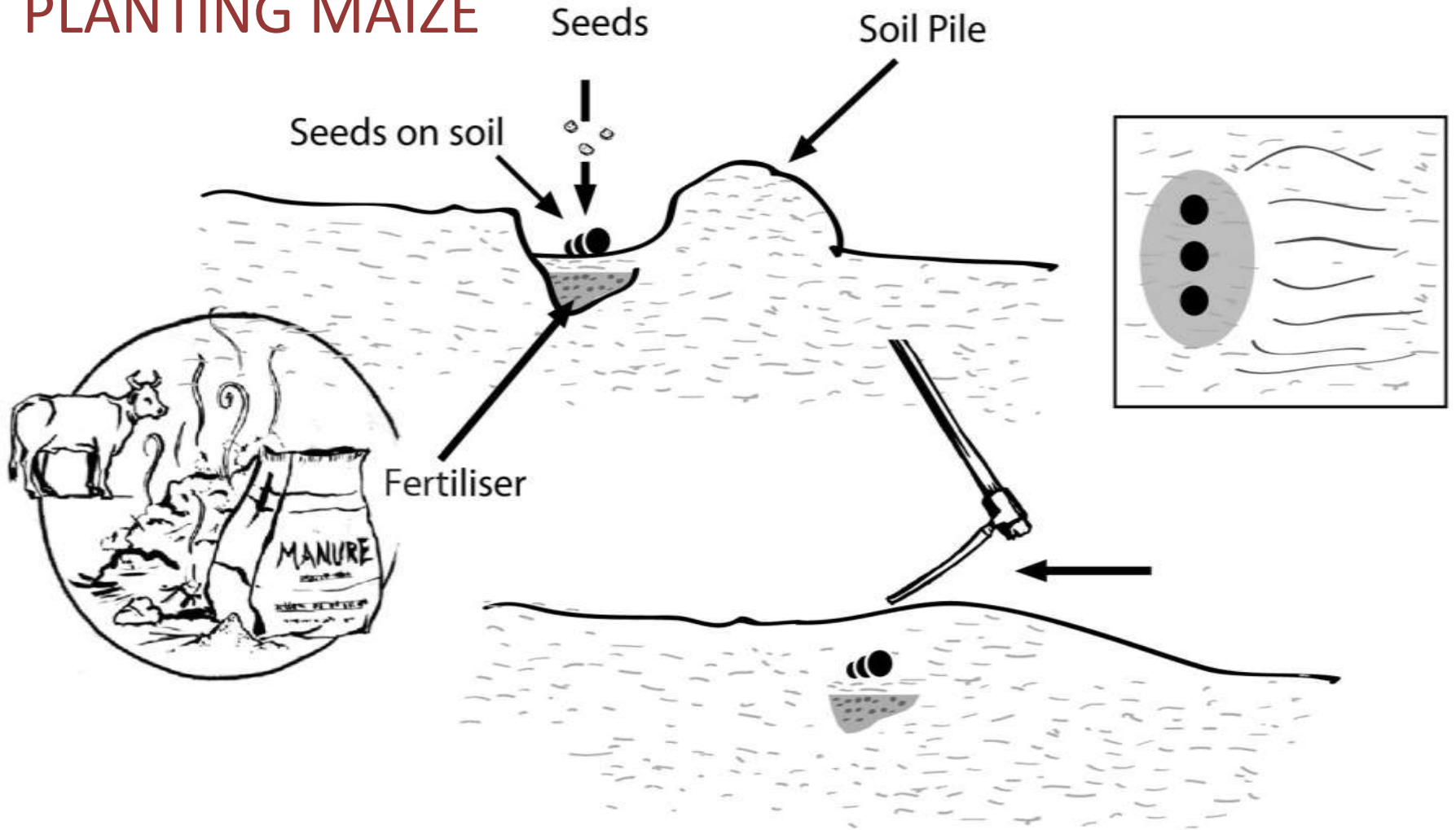
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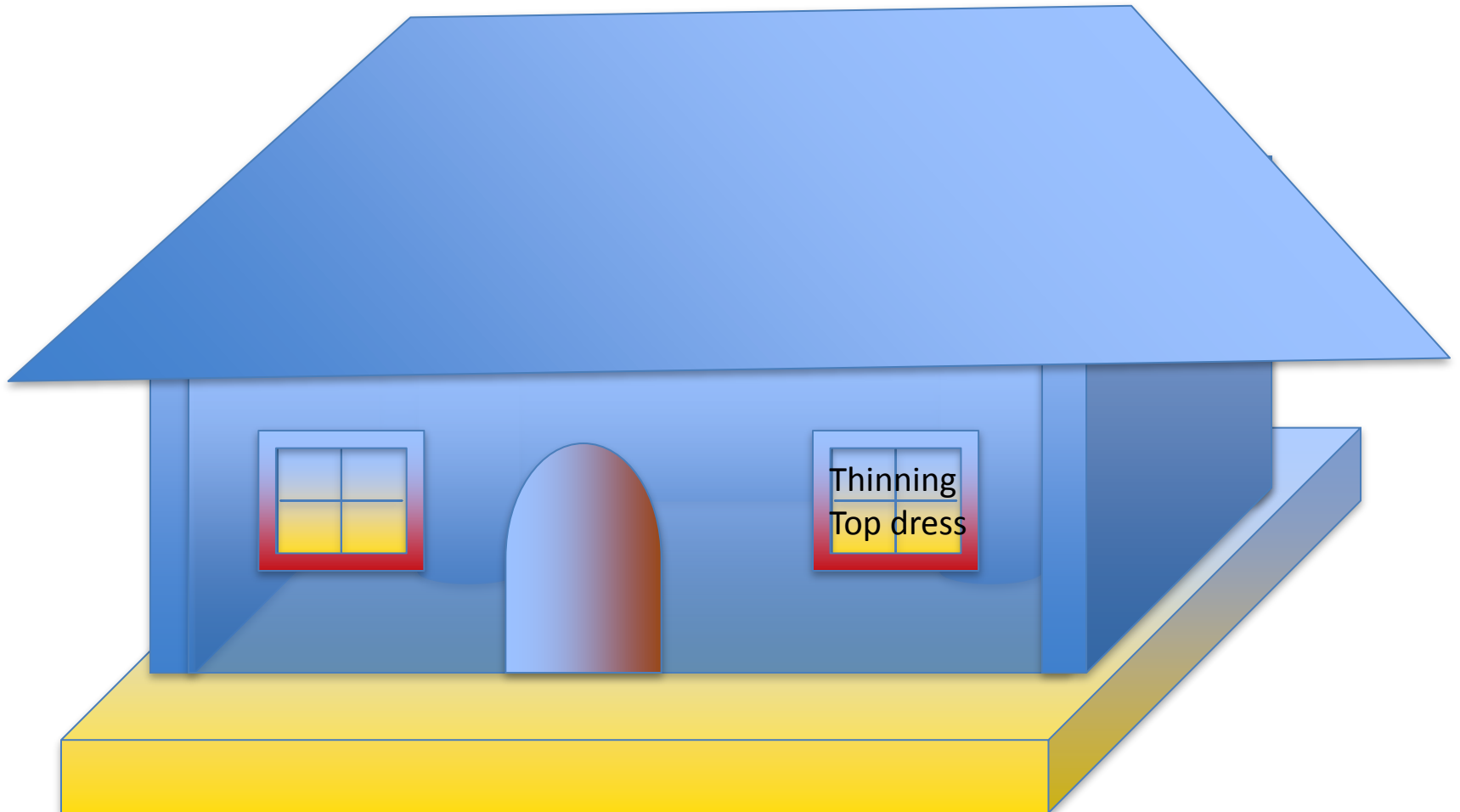
# FOUNDATIONS FOR FARMING

## PLANTING MAIZE



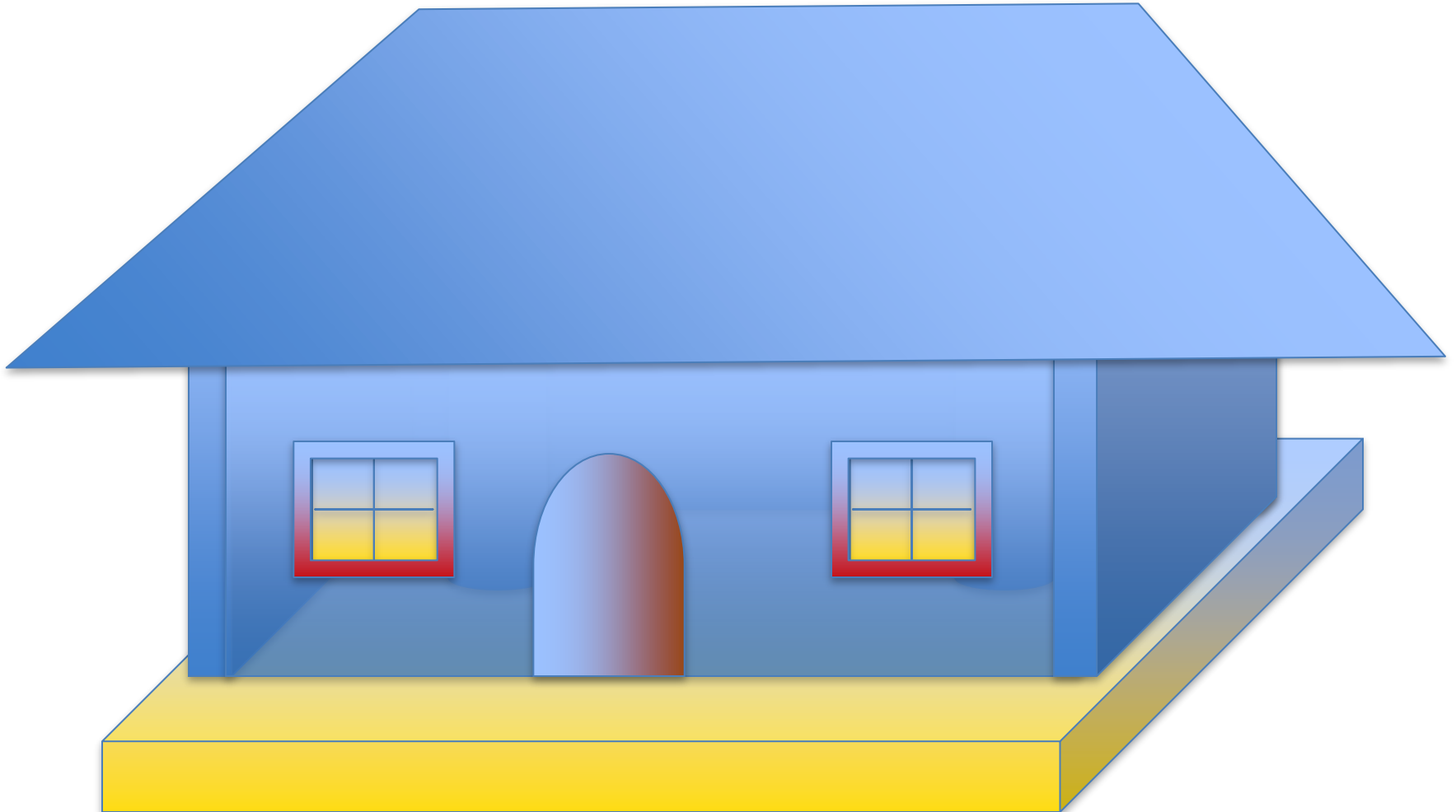


# FOUNDATIONS FOR FARMING





# FOUNDATIONS FOR FARMING





# FOUNDATIONS FOR FARMING

## Partner with us

- Our support was down over the last 3 years
  1. Australian Dollar
  2. Australian government stopped paying us money while over seas
  3. We under budgeted (especially for here in Australia)
  4. Now have another child and one to fly back





# FOUNDATIONS FOR FARMING

## Training centre

- Fencing costs \$4000 (unsure)
- Building training centre \$2000
- Bore hole and pump \$10000
- Accommodation buildings for the centre 9000 including furniture, toilets, kitchen and shower



# FOUNDATIONS FOR FARMING

## Ministry account

- Silva and Cascão (300 a month)
- Transport and tools (hoes and cord)
- Training courses
- Seed and fertilizer



# FOUNDATIONS FOR FARMING

with little (Matt 25:14-30) The Lord adds to faithfulness Pray for God's guidance every step of the way.

Remember that by carrying out all operations On Time, At Standard, Without Wastage and with Joy (Foundations for Farming Principles) you will be a superb manager and bring glory to God (1 Cor. 10:31)

- Ensure your fields are weed free and mulched after previous harvest and throughout winter.
- Each pack will be sufficient for a plot 39m x 8m. Do NOT do more than 2 plots to start with.
- This means that you can water your plots by hand in a dry period.
- Mark out your field in winter with permanent pegs.
- Dig planting stations for each plot - Rows must run across the slope.
- Each pack produces enough food for six months. For one pack prepare a plot of 26 rows, which are 75cm apart. The in row spacing is 60cm, and with a row length of 16m, you will be digging 28 holes per row. You will therefore be digging 728 planting holes per pack.
- Ensure field is prepared and weed free by 25th October.
- Place lime (5 cup from Pack 1 by 1st November) and 1 x 350ml tin of compost if available.
- Place basal Fertilizer (8 cup from Pack 2 by 1st November).
- Cover lime and fertilizer leaving planting depth of 5cm by 1st November.
- Plant 3 seeds per hole (from pack 3), with 2 litres of water per station or first effective planting rain, by 25th November.
- Three weeks after emergence thin to 2 plants per planting station.
- Top dress (5 cup from Pack 4), immediately after thinning, 10cm from plant upside of plant and cover.
- After topdressing do first weeding. Continue weeding!
- Apply stalk borer treatment (28 days after first rain).
- Second topdressing (5 cup from pack 5) when first tassels' appear, 10cm from plant upside of plant and cover.
- Continue weeding.
- Harvest with joy and feed your family.
- Do final weeding and lay stalks down to provide next seasons mulch. Keep field weed free through winter.

## This Pack Contains:

1 x 6kgs Lime (Pack 1), 1 x 8kgs Compound

...copying the way that God farms faithfully has the potential to break the twin yokes of poverty and dependency across a continent.

Foundations for Farming seeks to see the wonderful potential of Africa reached through faithful stewardship of the land and modelling the unselfishness and humility of Christ.



For further information:

Call: +263 772 136 780

Email: [admin@foundationsforfarming.org](mailto:admin@foundationsforfarming.org)

Visit: [www.foundationsforfarming.org](http://www.foundationsforfarming.org) or

**INTWASA  
PFUMVUDZA**  
FEED YOUR FAMILY



**A family farming with  
just a hoe can be the best  
farmers in the world**

*By copying the way that God farms  
in nature (Romans 1: 18-20) and  
doing things faithfully, on time,  
at standard, without*

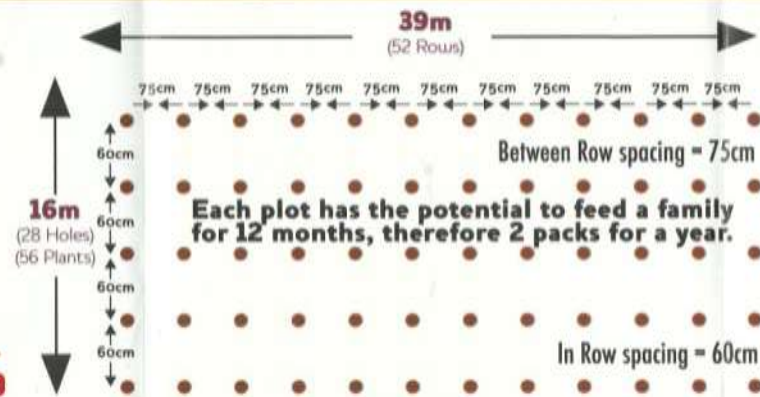




# FOUNDATIONS FOR FARMING



**Luke 6: 38**  
 Give, and it will be given to you. A good measure, pressed down, shaken together and running over, will be poured into your lap. For with the measure you use, it will be measured to you.





Thank You!