Some records and achieved results:

A - New halfa (Winter 2011-2012):

Production	Neighboring farmers	*Harvested yield by New technologies*	Yield increasing %
Crop	t/ha	t/ha	-
Wheat	1.48	*4.5*	304
Sunflower	0.88	*1.8*	204

B – New halfa (Summer 2012):

Production	Neighboring farmers	*Harvested yield by New technologies*	Yield increasing %
Crop	t/ha	t/ha	-
Cotton	1.3	*4.7*	361
Sunflower	0.7	*2.7*	385

C - Jazira (Winter 2012-2013):

Production	Neighboring farmers	*Harvested yield by New technologies*	Yield increasing %
Crop	t/ha	t/ha	-
Wheat	1.6	*6*	375
Sunflower	0.9	*3.2*	355

D – Rahad (Summer 2013 - 2014):

Production	Neighboring farmers	*Harvested yield by New technologies*	Yield increasing %
Crop	t/ha	t/ha	-
Cotton	1.7	*8.6*	500

Our dream

to increase productivity in an easy and inexpensive manner in farmers' farms.

THE BEST FORMULA IS SPREADING OF NEW TECHNOLOGIES:

NEW MACHINES,

NEW SEEDS,

NEW FERTILIZERS,

NEW MANAGERIAL METHODS

AND APPLING THEM IN THE FARMERS' FIELDS

LACK OF EFFICIENT MACHINES OR MISMANAGEMENT FOR ACCEPTABLE SOIL PREPARATION

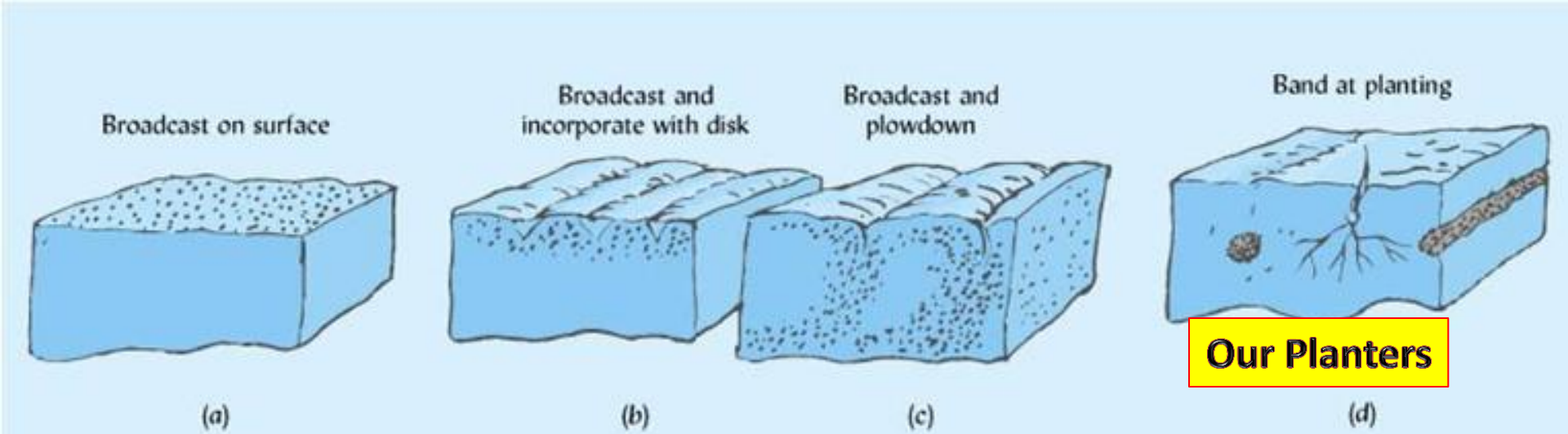
Methods of application of STARTER fertilizers to the soil:

1.Broadcasting: *(a), (b) & (c)*

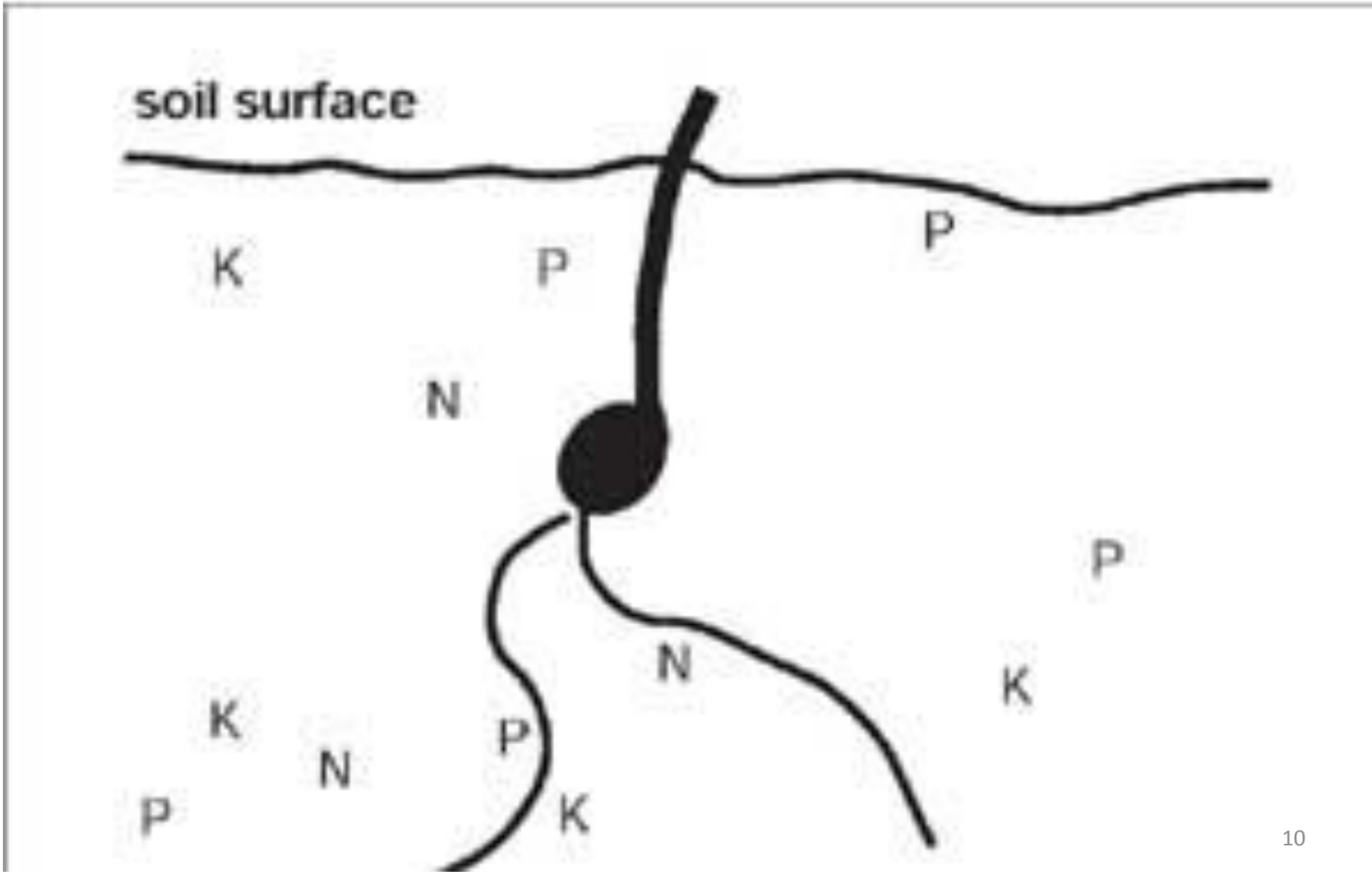
By Farmers, distribution over the whole field.

2.Placement: *(d)*

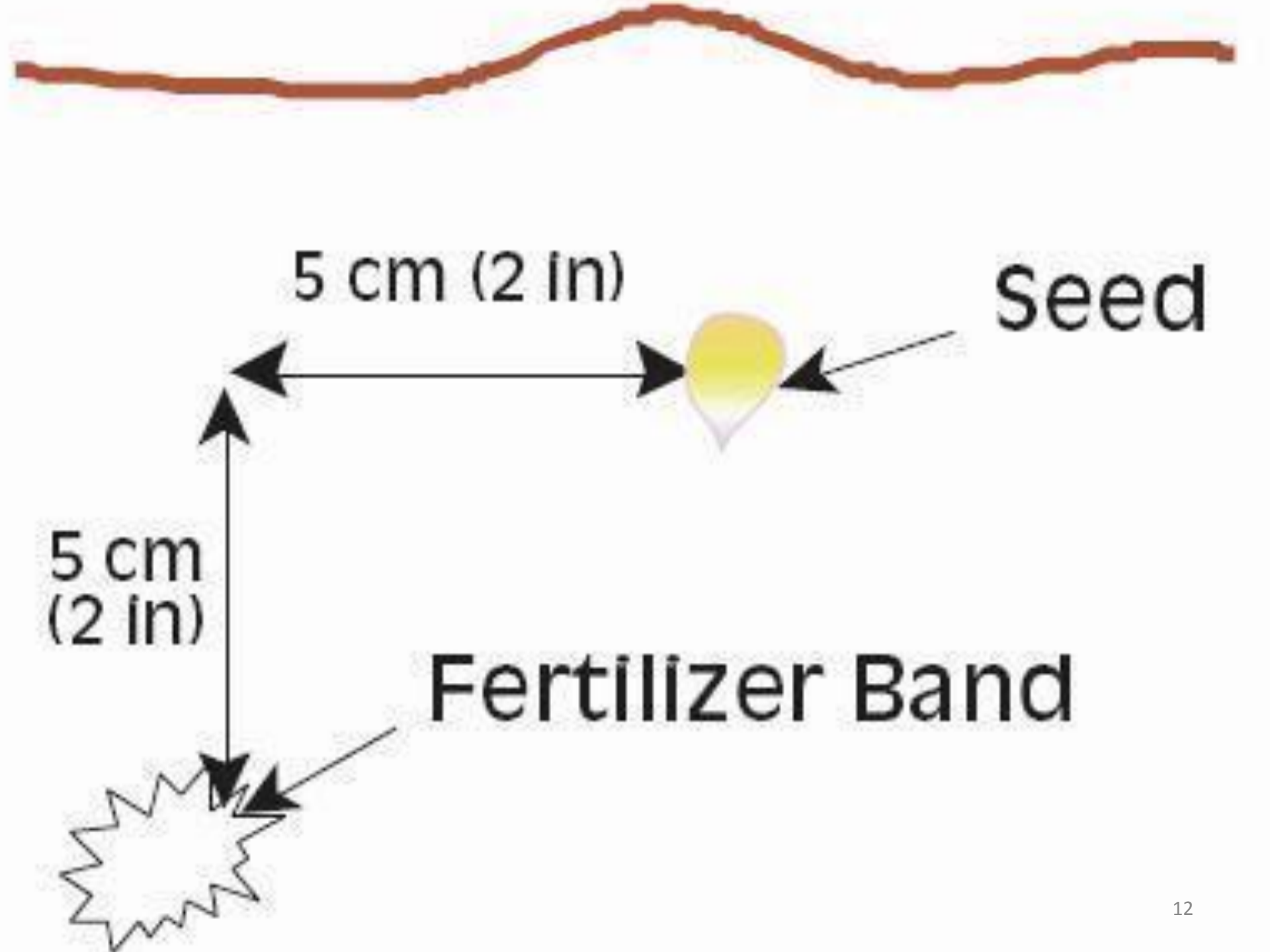
By our planters, Application in bands near the plant roots.

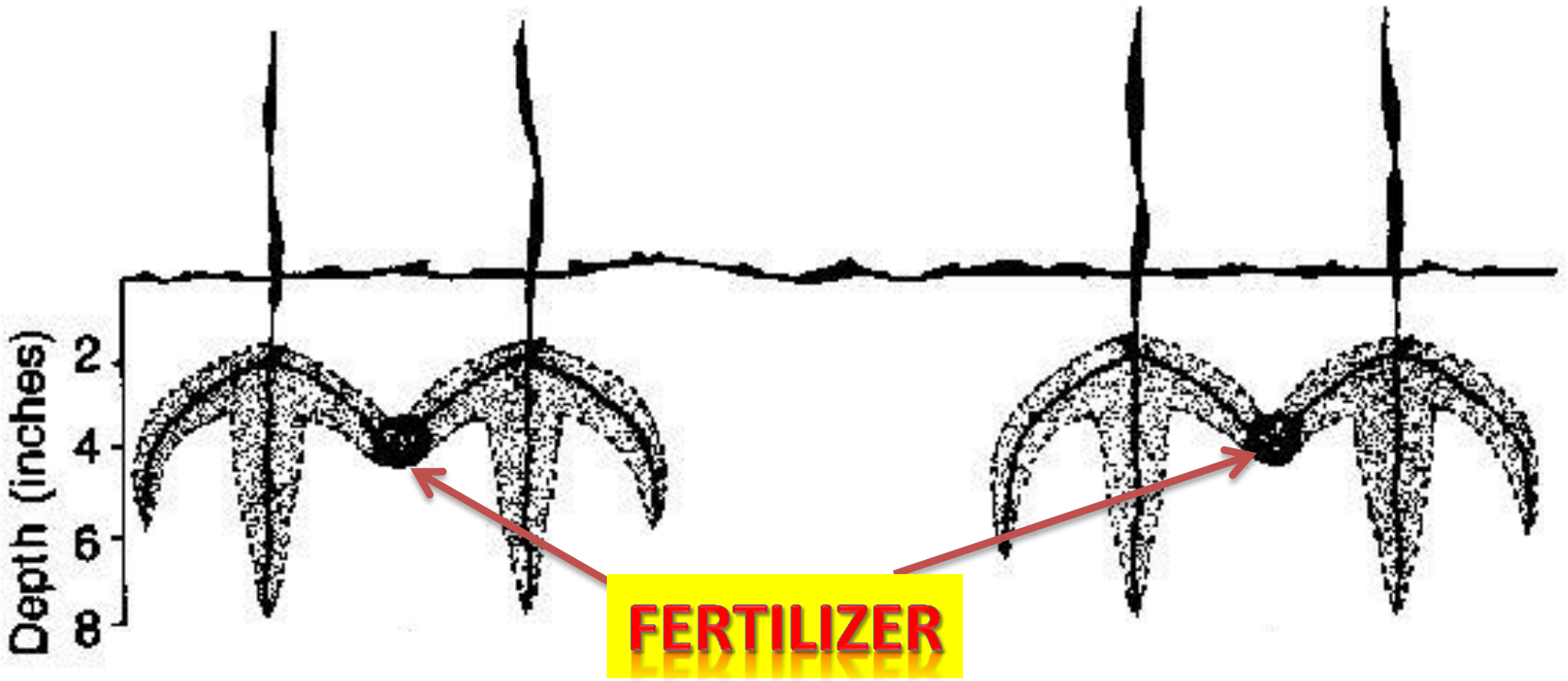


BECAUSE A seedling root system cannot acquire needed nutrients from the bulk soil.

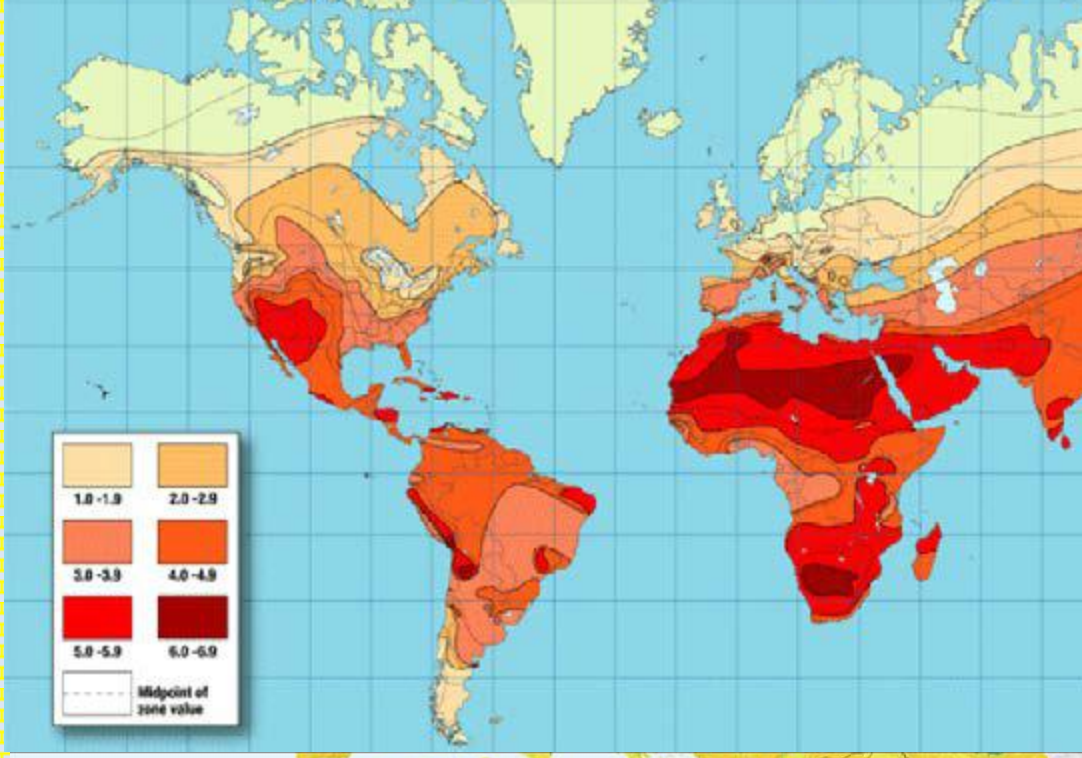


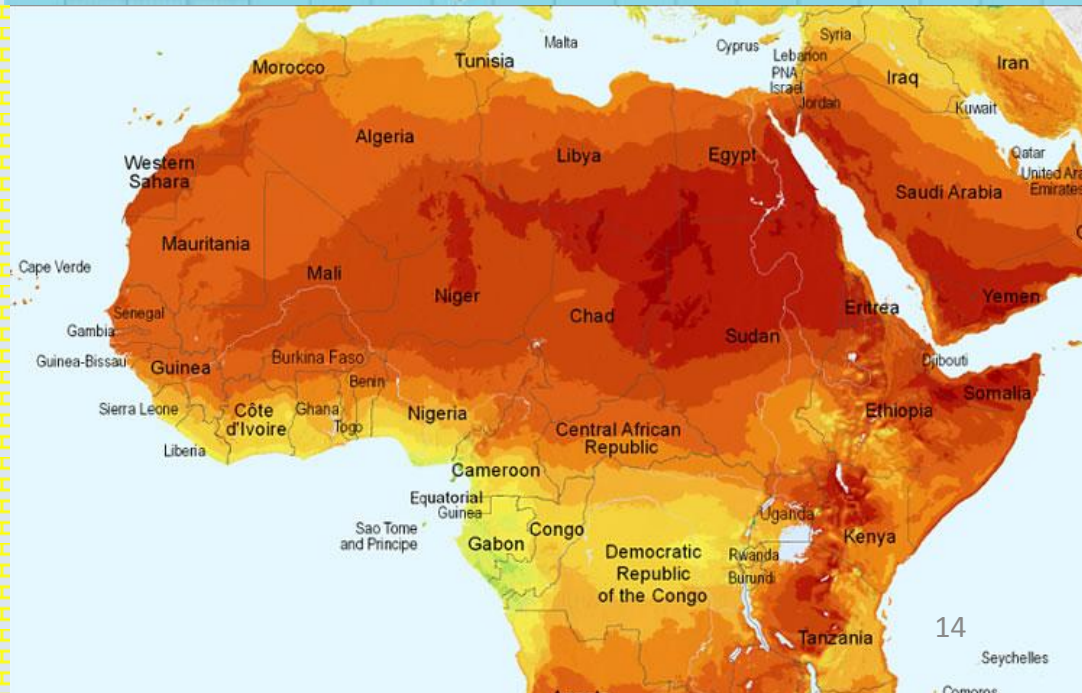

Planter with fertilizer placement system


5 cm (2 in)
Seed
5 cm
(2 in)
Fertilizer Band


Depth (inches)
2
4
6
8
FERTILIZER

Sudan is receiving high amount of Solar energy ,So we can use this natural gift by more plant population or better plant distribution by TWIN Row Planting.

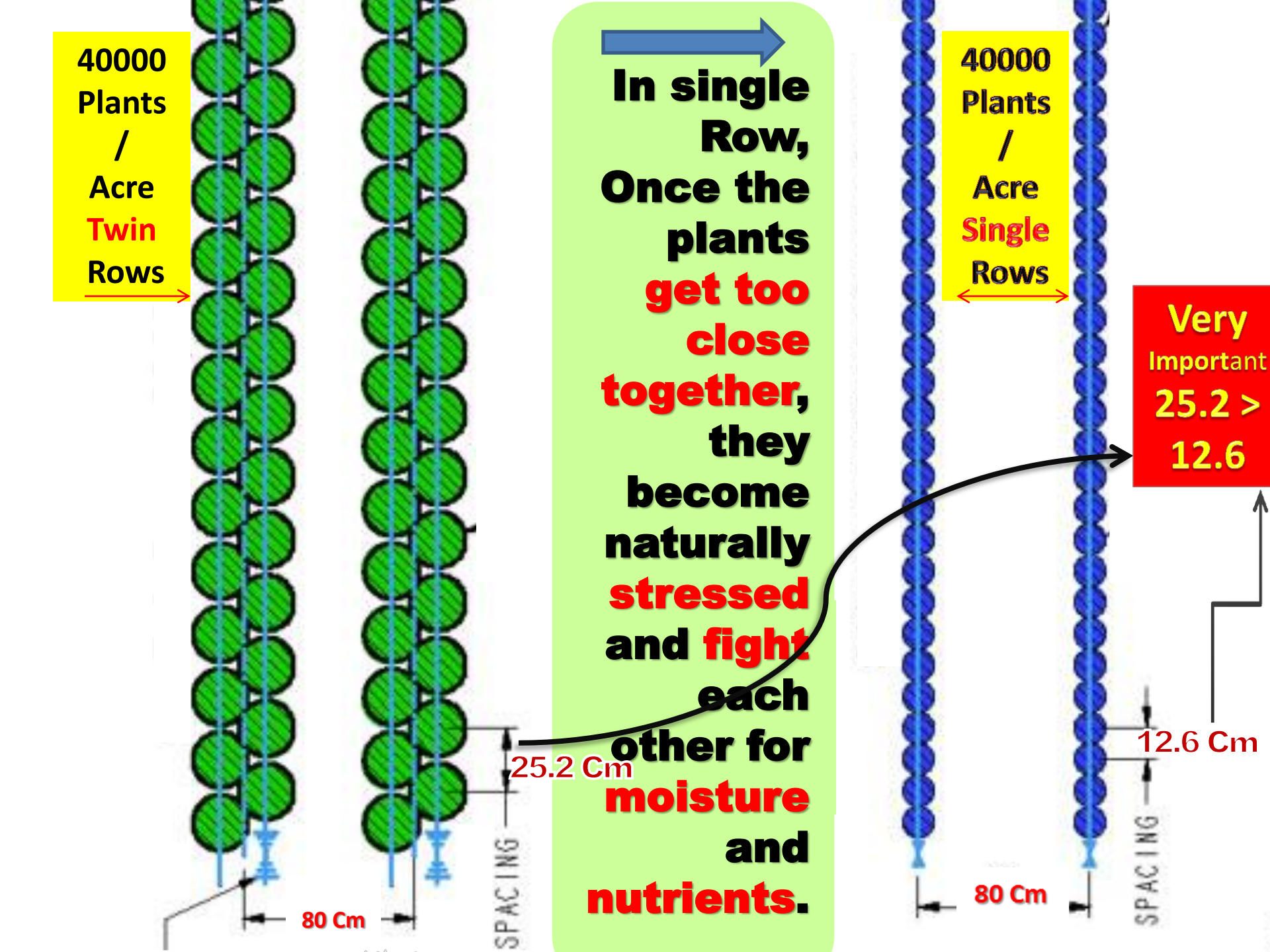





MASSEY FERGUSON
TARASHKADEH
TARASHKADEH
TARASHKADEH
Twin Row
Planter
2011 12 12

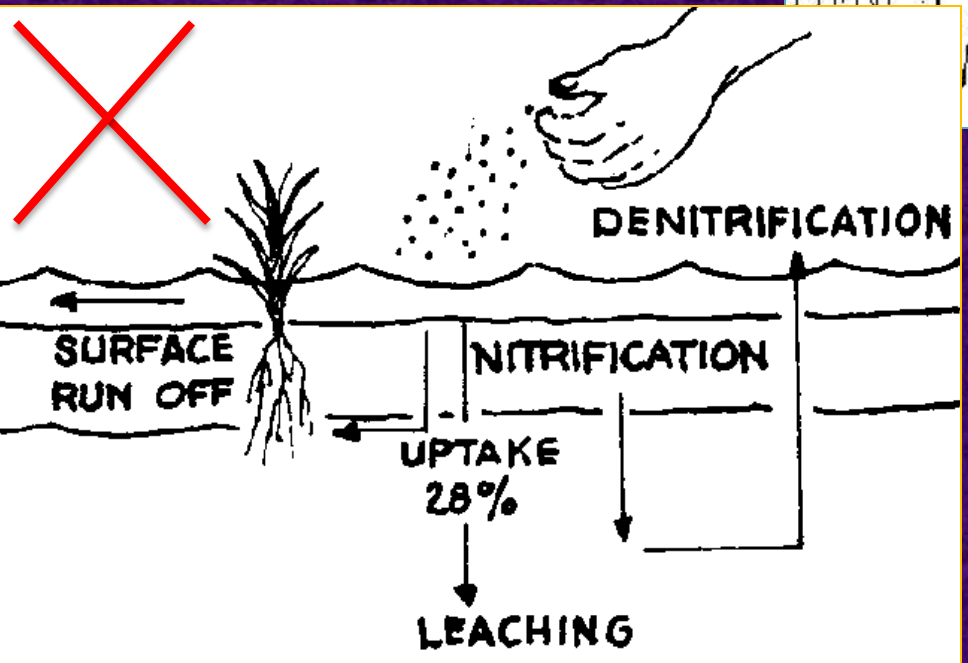

Twin Row Zigzagged Planting
Fertilizer placement below the Seeds


ZIGZAGGED
PLANTING

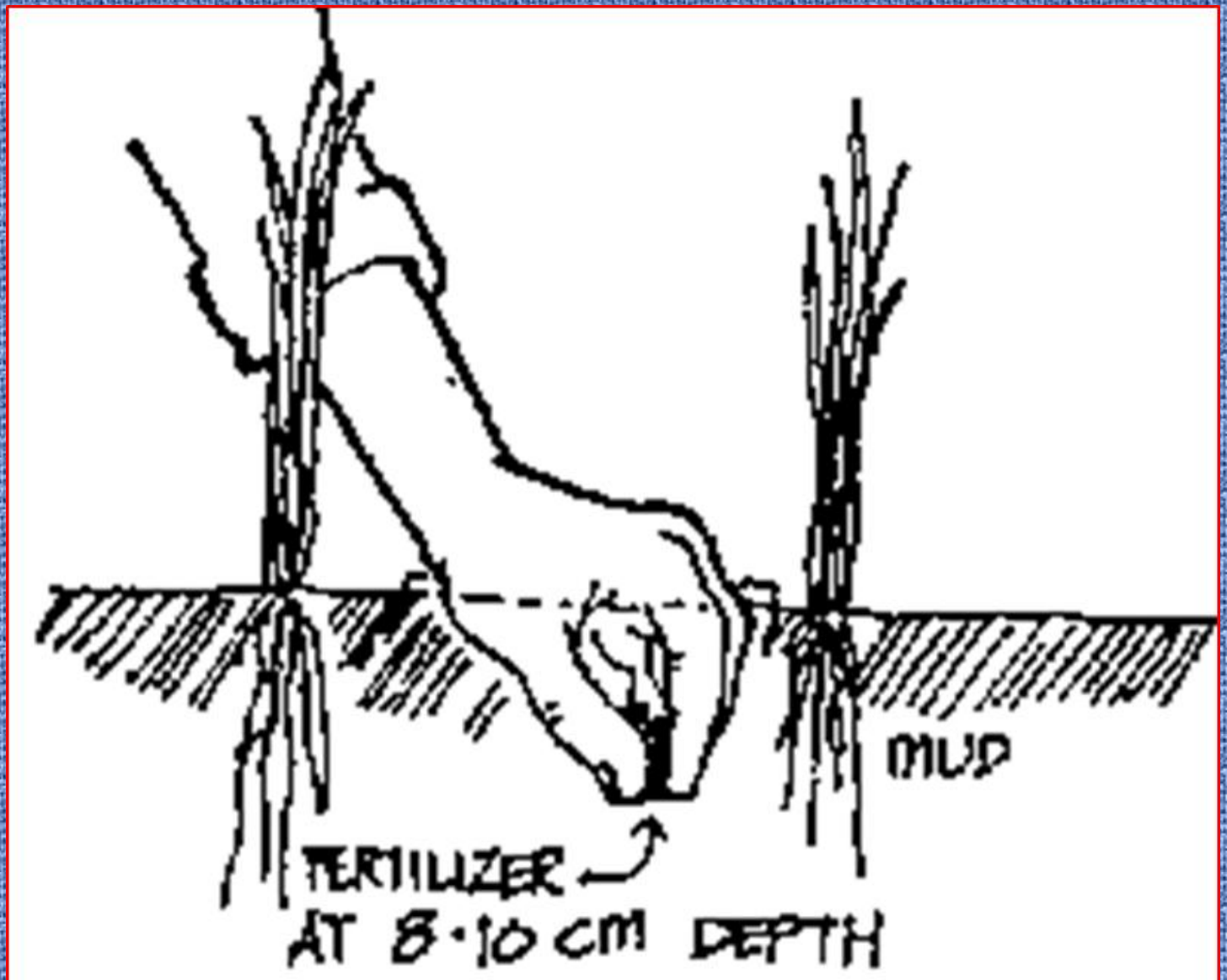

40000 Plants / Acre Twin Rows
In single Row, Once the plants get too close together, they become naturally stressed and fight each other for moisture and nutrients.
40000 Plants / Acre Single Rows
Very Important 25.2 > 12.6
25.2 Cm
12.6 Cm
80 Cm
80 Cm
SPACING
SPACING


SINGLE ROW PLANTS
TWIN ROW PLANTS

WRONG NITROGEN FERTILIZER DISTRIBUTION



Right Nitrogen fertilizer placement



Inter Row Cultivator with Fertilizer Distributer

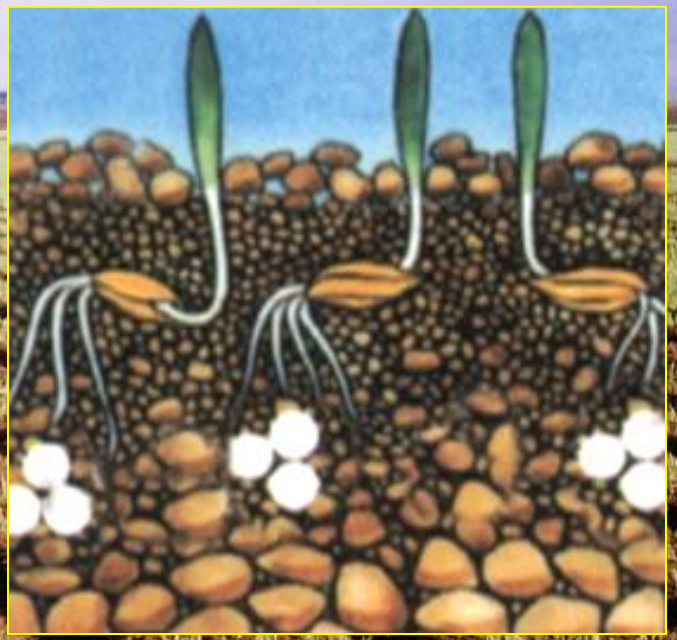

Distributes & mix fertilizer with
the soil between rows

...Mechanical Weeding

SCATTERED SEED PLANTING

Seed Driller with Fertilizer Placement & Furrower

ROW PLANTING for Sesame, Alfalfa, Wheat....




Wheat farm produced 6 ton/hectare in Jazeera

THE IDEA OF HIGH YIELDED SORGHUM FARMS ARE SPREADING NOW


How many tons?

Cotton production; More than 10 t/ha

Our staff

Many farmers are producing more than 7 ton/hectare

Nap Sacks Sprayer in Wheat farm

2 hectare/hour Spraying without any cost

Valved Pipes

Reducing the Costs of Irrigation and increasing water efficiency

Mower Binder

HARVESTER FOR SESAME , WHEAT