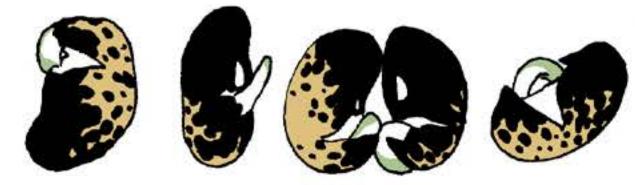




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WELCOME

IF YOU ARE LOOKING FOR BASIC INFORMATION TO PRODUCE YOUR OWN SEEDS IN AN ECOLOGICAL MANNER, THIS HANDBOOK IS FOR YOU.

IT WAS PUT TOGETHER BY RED DE GUARDIANES DE SEMILLAS (SEED GUARDIANS NETWORK), AN ECUADORIAN SOCIAL ORGANIZATION FORMED BY FAMILIES THAT CREATE THEIR OWN REGENERATIVE LIFESTYLES. FOLLOWING DEMAND BY BIODIVERSITY FRIENDLY AGRICULTURE MOVEMENTS ACROSS REGIONS, WE HAVE NOW DECIDED TO PRODUCE AND DISSEMINATE OUR GUIDE.

TRANSLATING AND SHARING THIS LOCAL KNOWLEDGE WITH A
GLOBAL COMMUNITY HAS BEEN MADE POSSIBLE THROUGH FARMING
FOR BIODIVERSITY, A PROJECT SUPPORTED BY THE INTERNATIONAL
CLIMATE INITIATIVE OF THE GERMAN MINISTRY FOR ENVIRONMENT,
NATURE CONSERVATION AND NUCLEAR SAFETY (BMU ICI). FARMING
FOR BIODIVERSITY IS IMPLEMENTED BY RARE AND IFOAM ~ ORGANICS
INTERNATIONAL, IN COOPERATION WITH THE CONVENTION ON
BIOLOGICAL DIVERSITY (CBD).

SWISSAID ECUADOR FINANCED THE INITIAL MATERIAL.

THIS GUIDE WILL HELP YOU UNDERSTAND THE ESSENTIAL ASPECTS
OF WORKING WITH SEEDS. YOU CAN LOOK FOR MORE SPECIFIC
INFORMATION ON THE INTERNET. OUR WEB PAGE AND OUR MAGAZINE
ALLPA ARE VERY USEFUL SOURCES FOR SPANISH SPEAKERS.

AUTHOR5:





WWW.REDSEMILLAS.ORG WWW.ALLPA.ORG WWW.5WI55AID.ORG.EC

GLOBAL OUTREACH





Supported by:

RARE. ORG

WWW.IFOAM.BIO





based on a decision of the German Bundestag

WWW.CBD.INT

WWW.INTERNATIONAL-CLIMATE-INITIATIVE.COM

WE HOPE THIS GUIDE WILL HELP YOU CULTIVATE YOUR OWN AUTONOMY. SEEDS ARE THE FOUNDATION FOR FOOD SOVEREIGNTY AND TAKING CARE OF THEM IS A WONDERFUL JOURNEY.

A

WHAT IS A SEED ?

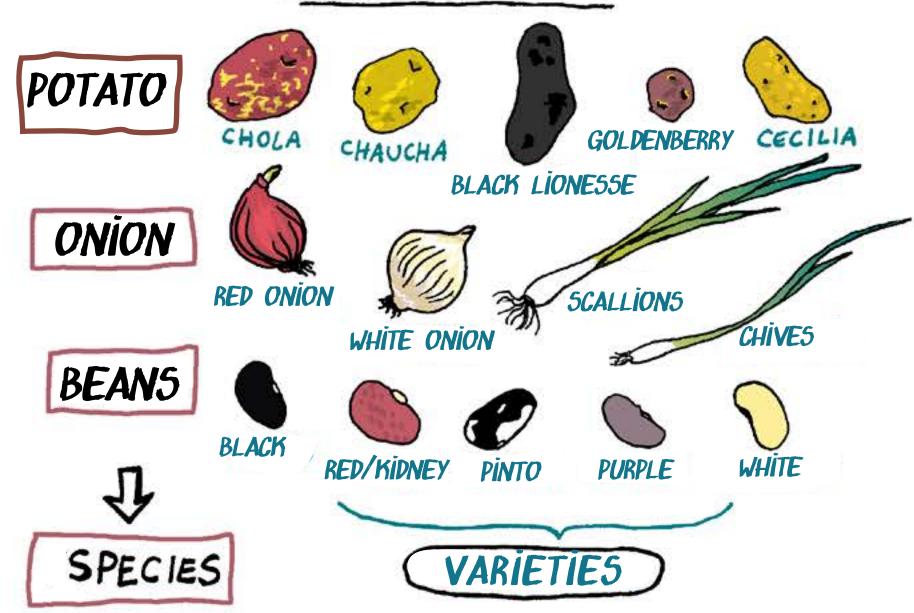
FOR THE ANCESTRAL PEOPLES OF ECUADOR, A SEED IS THAT WHICH REPRODUCES LIFE.

THIS INCLUDES BOTANICAL SEEDS SUCH AS CORN, AND VEGETATIVE MATERIAL SUCH AS CASSAVA CUTTINGS.

THE SEEDS OF THE CROPS WE USE TODAY,
WERE CREATED BY INDIGENOUS PEOPLES
THROUGH A PROCESS CALLED DOMESTICATION:
THE SELECTION, YEAR AFTER YEAR, OF PLANTS
THAT HAVE USEFUL CHARACTERISTICS, TO CARRY ON
REPRODUCTION WITH THEM.



SPECIES AND VARIETIES



A SPECIES IS DEFINED BY THE CAPACITY OF INDIVIDUALS TO BREED AND PRODUCE FERTILE OFFSPRING.



SOMETIMES THE SHAPES CAUSE CONFUSION:



THEY SEEM VERY DIFFERENT BUT THEY BELONG TO THE SAME SPECIES, AND CAN CROSS WITH EACH OTHER.

IT IS ESSENTIAL TO KNOW WHICH PLANTS BELONG TO THE SAME SPECIES, IN ORDER TO PRESERVE A VARIETY OR TO CREATE NEW VARIETIES.

WHERE TO GET THEM ?

ARE INDEPENDENT NETWORKS THAT
SELL AND EXCHANGE SEEDS. THEY USUALLY
HAVE INTERESTING VARIETIES. MANY ARE
TAILORED TOWARDS ORGANIC FARMING AND
THE QUALITY OF THEIR SEEDS IS SUSTAINED
BY THE PASSION OF THEIR PRODUCERS.

2.5MALL SEED FARMS AND FAMILY OR COMMUNITY ENTERPRISES. IT IS ESSENTIAL TO SUPPORT THEIR WORK. TRY TO CREATE PERSONAL RELATIONSHIPS WITH THEM.

3. FARMER'S MARKETS, EVEN IF SEEDS ARE NOT FOR SALE AT THE MOMENT, YOU MAY ASK THE FARMERS TO HELP YOU GET THEM.

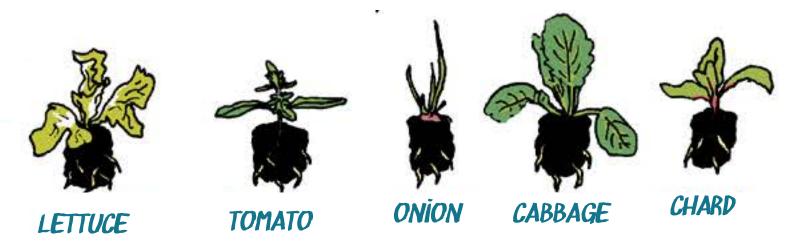
4. IN STATE-MANAGED SEED BANKS.
GENERALLY, THESE VAST COLLECTIONS
ARE NOT OPEN TO THE PUBLIC, BUT WE
MUST ADVOCATE FOR THE RIGHT TO
ACCESS AND HELP THEM PRESERVE THEIR
COLLECTIONS VIA IN-FIELD REPRODUCTION.

5. ON THE ROADSIDES, WALKING IN THE FIELDS. ASKING YOUR NEIGHBORS. THE WORLD IS FULL OF TREASURES



GERMINATION

SOME SEEDS WILL DO BETTER IF YOU PLANT THEM IN A SEEDBED. EXAMPLES INCLUDE:



THE SEEDBED MAY BE DUG IN THE GROUND, OR YOU CAN USE ANY CONTAINER THAT IS AT LEAST 5 CM (2 INCHES) DEEP, WITH SMALL HOLES TO LET OUT EXCESS WATER. THERE ARE ALSO PROFESSIONAL SEED STARTER TRAYS YOU CAN BUY.

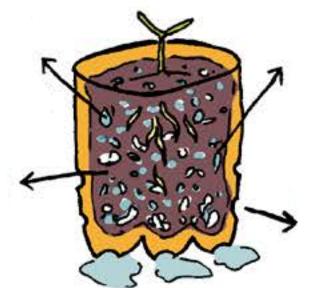




YOU SHOULD PREPARE A SPECIAL MIXTURE THAT INCLUDES:

50% OR MORE COMPOST (SMALL CHUNKS)

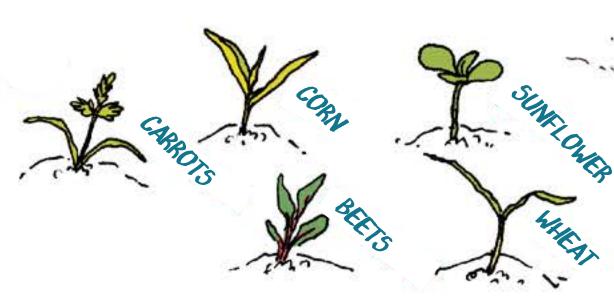
40% LOOSE GARDEN SOIL

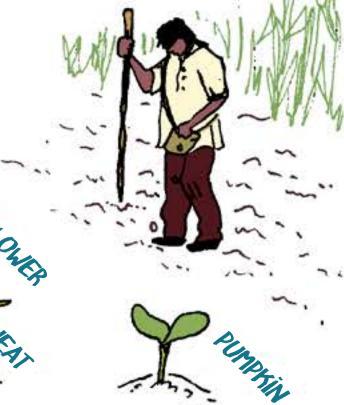


10% AERATION MATERIAL: FINE GRAVEL, SAND, RICE HUSKS OR SIMILAR

HOLES IN THE RECIPIENT TO EVACUATE THE WATER

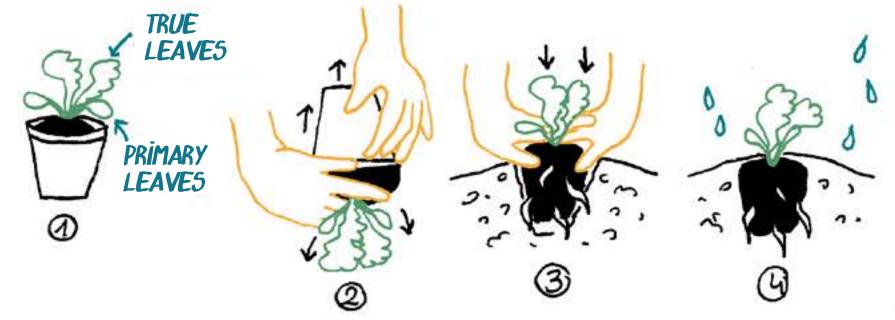






- * PLANT THE SEED NEAR THE SURFACE, SLIGHTLY COVERED BY SOIL.
- * ALWAYS KEEP THE AREA MOIST.
- * IN MANY CASES, SOAKING THE SEED IN WATER OVERNIGHT ACCELERATES GERMINATION BEFORE PLANTING.

WHEN THE PLANT HAS THREE OR MORE LEAVES, IT CAN BE TRANSPLANTED IN THE GROUND. DO IT WITH CARE, TRYING NOT TO BREAK THE ROOTS.



CULTIVATION

PLANTS SELECTED FOR SEEDS SHOULD NOT RECEIVE ANY SPECIAL TREATMENT. THE SAME CARE SHOULD BE TAKEN AS IN STANDARD CULTIVATION: GOOD SOIL, COMPOST, ENOUGH IRRIGATION, WEEDING WHEN NECESSARY, PROTECTION FROM PREDATORS.

IN OTHER WORDS, YOU SHOULD SELECT PLANTS THAT GROW WELL IN NORMAL CONDITIONS, WITH NO NEED FOR SPECIAL TREATMENT.

WE RECOMMEND TO USE EXCLUSIVELY ORGANIC FARMING METHODS:

WE WANT TO SELECT PLANTS THAT CAN DEFEND THEMSELVES AND REACH GOOD PRODUCTION LEVELS IN LOCAL CLIMATES, UNDER NATURAL CONDITIONS.

IF WE SPRAY AGAINST PESTS, ALL THE PLANTS MAY SURVIVE AND IT WILL BE DIFFICULT TO SELECT THOSE THAT ARE TRULY RESISTANT.



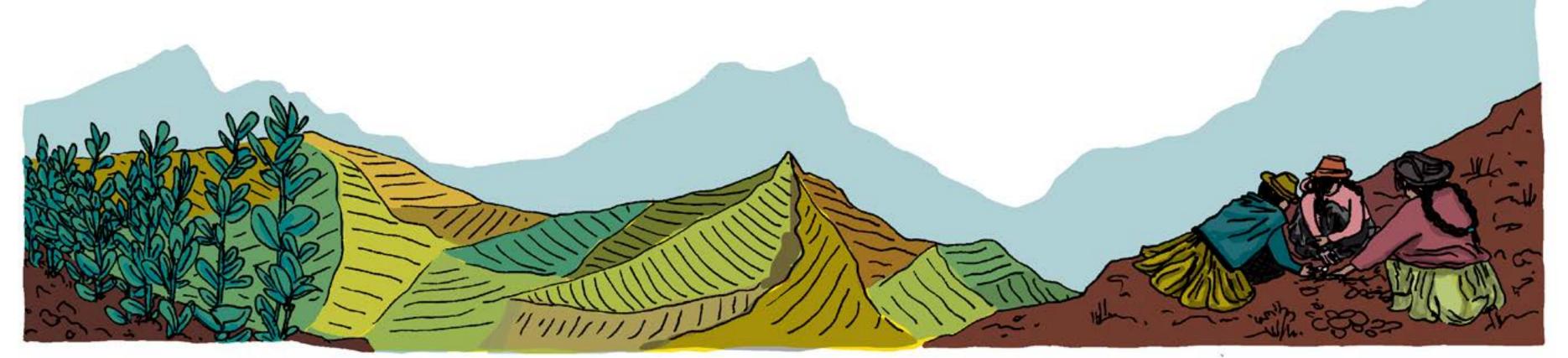
THIS IS THE MOST IMPORTANT ASPECT OF SEED PRODUCTION. EACH INDIVIDUAL PLANT HAS A SERIES OF PARTICULAR CHARACTERISTICS:

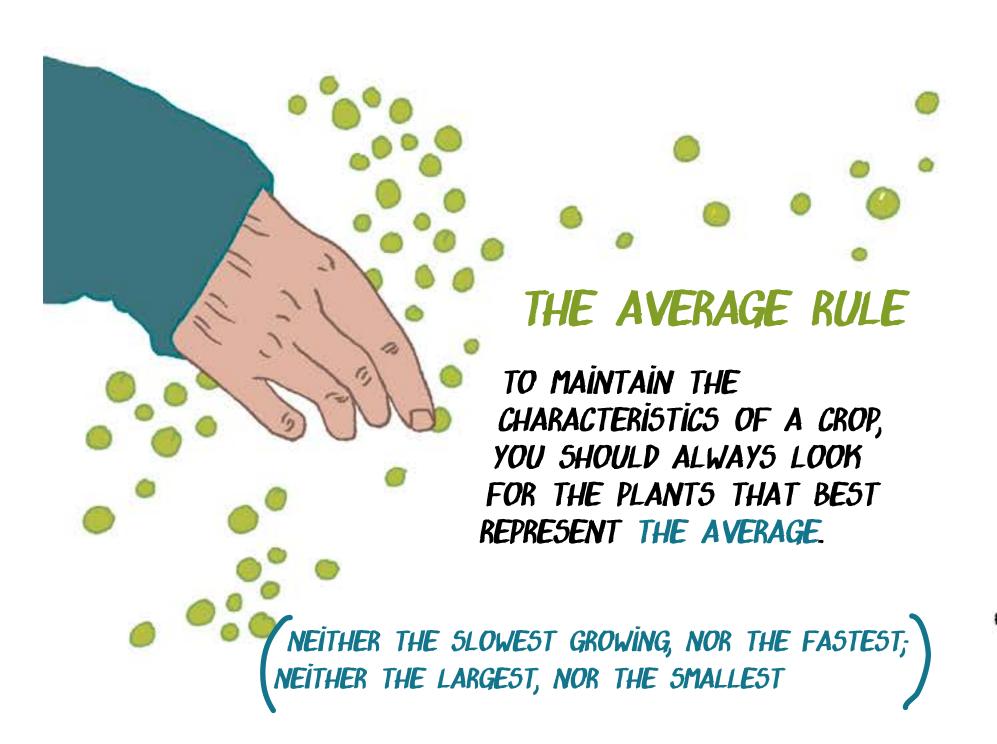
- SIZE - SHAPE - NUTRITIONAL QUALITY - FRUIT COLOR - RESISTANCE TO PESTS AND DISEASES

THESE CHARACTERISTICS ARE INHERITED THROUGH ITS GENES.



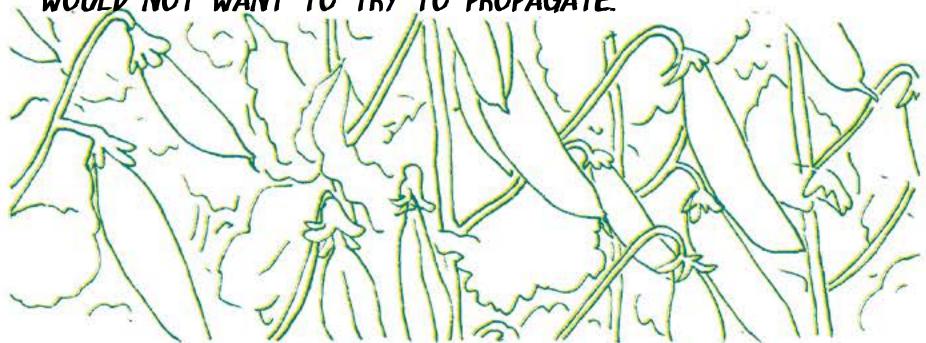
SEED SAVERS PAY ATTENTION TO THE PLANT'S CHARACTERISTICS IN EACH GENERATION, LOOKING FOR INTERESTING FEATURES TO PROMOTE, OR DEFICIENCIES TO REMOVE.





IF YOU FIND A SPECIAL TYPE OF VEGETABLE OR FRUIT, PLANT THESE SEEDS IN A SEPARATE PLACE AND BE VIGILANT WHILE THEY GROW. IT COULD BE SOMETHING INTERESTING

...MAYBE THE BEGINNING OF A NEW VARIETY! ...OR IT COULD BE A HYBRID THAT WILL YIELD DEFECTIVE SEEDS, THAT YOU WOULD NOT WANT TO TRY TO PROPAGATE.



SEXUAL SELECTION

FOR PLANTS THAT REPRODUCE SEXUALLY, IT IS NECESSARY TO SELECT THEIR PROGENITORS.

THE KEY MOMENT IS BEFORE FLOWERING. IT IS THROUGH THE FLOWERS THAT THE PLANTS CROSSBREED, AND ONCE THEY HAVE DONE IT, WE CANNOT CARRY OUT SELECTION.

PLANTS THAT ARE TOO WEAK "THOSE THAT ARE OFTEN ATTACKED BY PESTS, THOSE THAT GROW TOO FAST OR TOO SLOW, THOSE THAT HAVE A DEFECTIVE SHAPE OR BAD FRUIT "SHOULD BE REMOVED BEFORE THEY OPEN THEIR FLOWERS.

IN THIS WAY, THEY WILL NOT PASS THEIR GENES TO THE FOLLOWING GENERATION.

PLANTS THAT SEEM HEALTHY AND
THAT COMPLY WITH THE DESIRED
CHARACTERISTICS SHOULD BE MARKED AS
REPRODUCERS AND ALLOWED TO FLOWER.

IT IS FROM THOSE PLANTS THAT YOU WILL GET YOUR SEEDS.

POLLINATION AND CROSS-BREEDING

PLANTS SEXUALLY REPRODUCE THROUGH POLLINATION, WHEN THE FERTILE POLLEN REACHES A FLOWER THAT IS READY TO BREED.

IN GARDEN VEGETABLES, POLLINATION IS DONE MAINLY BY INSECTS WHO VISIT THE FLOWERS IN SEARCH OF NECTAR AND CARRY THE POLLEN ON THEIR BODIES.

MALE FLOWER FOR EXAMPLE: BEES FLY
UP TO 3 KM AROUND
THEIR HIVE. THEY CAN
CROSSBREED ALL THE
CROPS OF THE SAME
SPECIES WITHIN THIS AREA.

50ME VEGETABLES AND GRAINS ARE POLLINATED BY WIND, FOR EXAMPLE CORN.

THEIR LIGHT POLLEN MAY TRAVEL AROUND TEN KILOMETERS ON A WINDY DAY.

STRAWBERRY

FLOWER5

50ME PLANTS POLLINATE
THEMSELVES. THEY HAVE VERY
LOW PERCENTAGES OF CROSS
BREEDING.

- = INBREEDING PLANTS
- > THEY ARE EASIER TO REPRODUCE

OTHER PLANTS NEED TO BE CROSSBRED.

= OUTBREEDING PLANTS

POLLINATION

→ THEY MUST BE PROTECTED, AND YOU MUST MAKE SURE THAT THEY DO NOT CROSSBREED WITH OTHER COMPATIBLE VARIETIES.

EX. CABBAGE, CORN

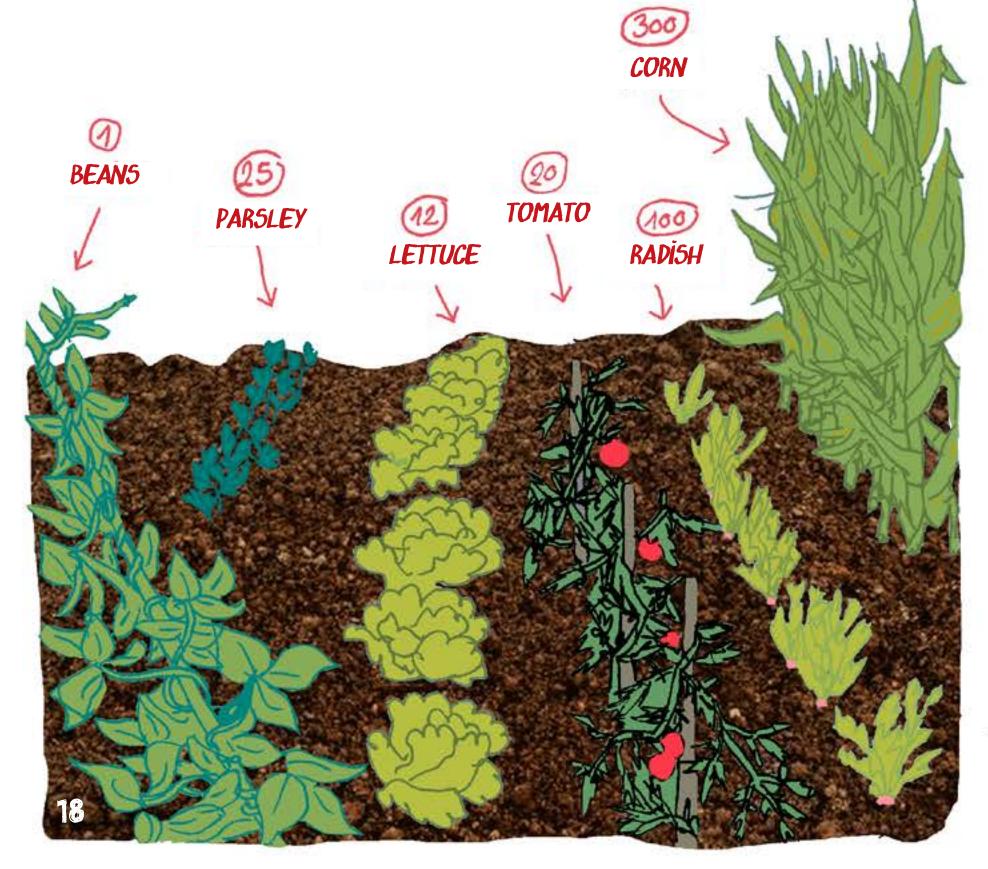


ONE STRAM ONE GRAIN

POPULATION

FOR EACH SPECIES, THERE IS A MINIMUM TOTAL POPULATION NECESSARY TO KEEP THE GENETIC VIGOR AND PRODUCE SEEDS OF GOOD QUALITY.

THIS POPULATION IS DEFINED BY THE NUMBER OF PLANTS THAT CROSS POLLINATE.

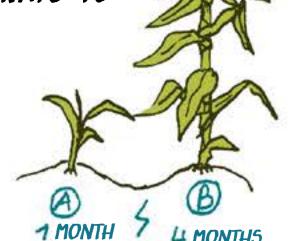


ISOLATION

WHEN YOU WANT TO PREVENT DIFFERENT VARIETIES FROM CROSSBREEDING, THERE ARE SEVERAL EFFECTIVE WAYS TO ISOLATE THEM.

* ISOLATION IN TIME

= PLANT DIFFERENT VARIETIES AT DIFFERENT TIMES, SO THEY DON'T FLOWER AT THE SAME TIME.



A THIS IS NOT EFFECTIVE IN SMALL PROPERTIES WHERE CROSS POLLINATION MAY COME FROM NEIGHBORS.

* ISOLATION IN SPACE

= PLACE EACH CROP SUFFICIENTLY
APART TO IMPEDE CROSS POLLINATION.

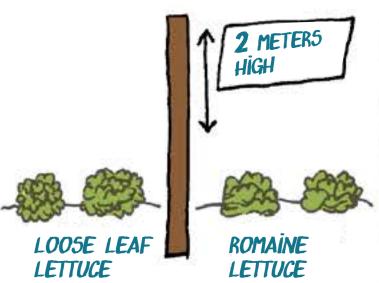


THIS ALSO IS NOT EFFECTIVE IN SMALL PROPERTIES.

* ISOLATION WITH EXCLUDING DEVICES

USE EXCLUDING MATERIAL IN ORDER TO PREVENT CROSS POLLINATION

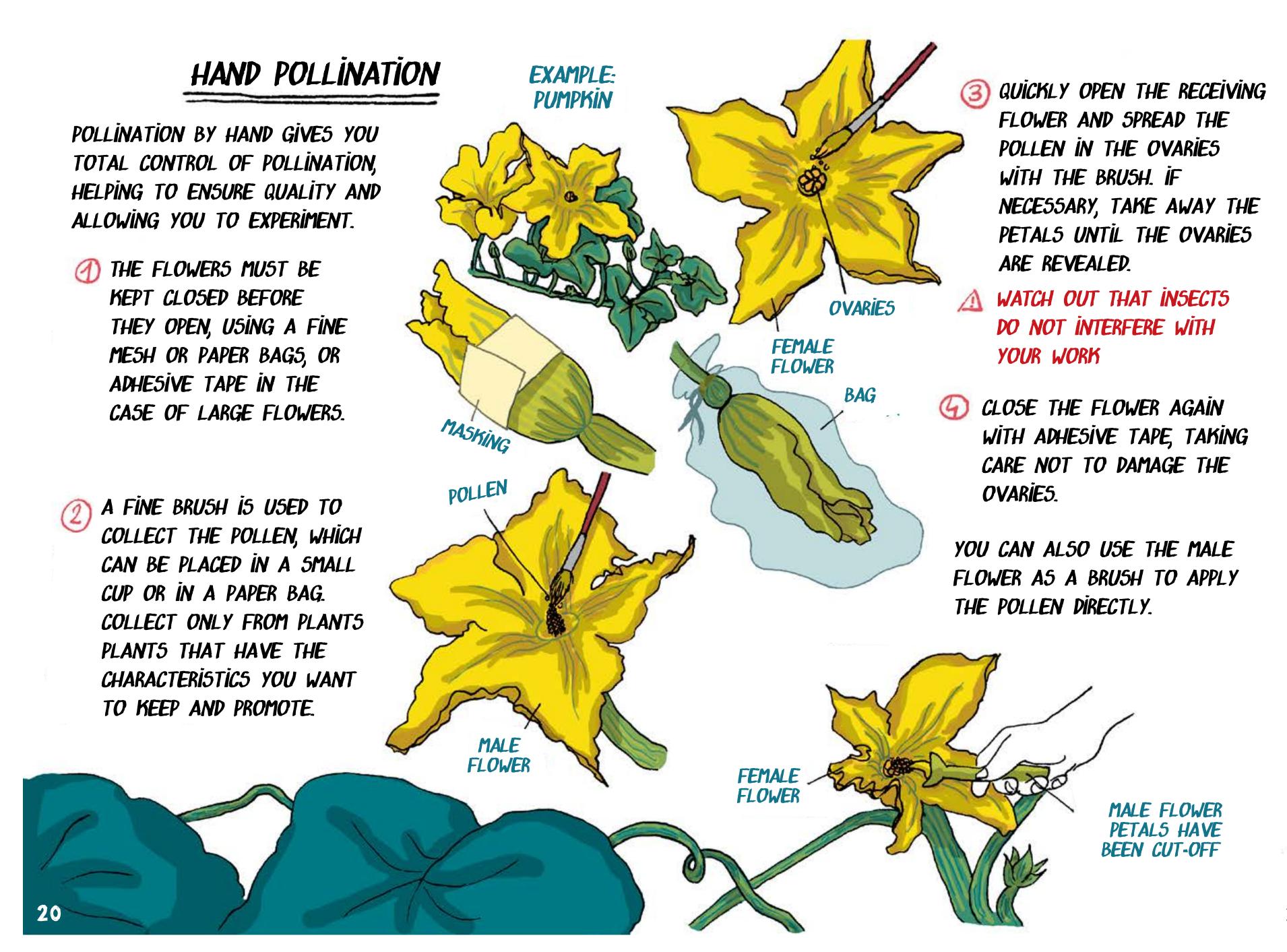
FOR SPECIES THAT DO NOT CROSS POLLINATE MUCH, A TALL BARRIER MAY BE ENOUGH:



FOR SPECIES THAT ARE VERY LIKELY
TO CROSSBREED, YOU CAN USE A FINE
MESH OR CLOTH THAT COMPLETELY
PREVENTS INSECTS FROM ENTERING.



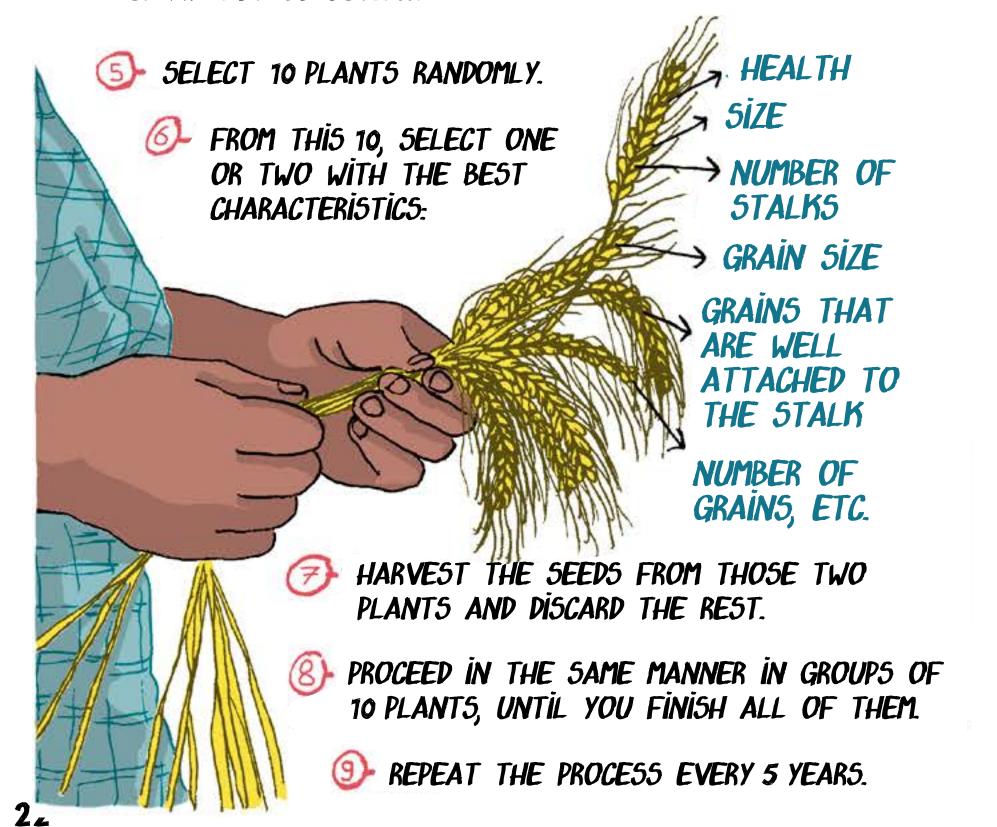
IN THIS CASE, IT MAY BE NECESSARY TO DO POLLINATION BY HAND...



MASS SELECTION

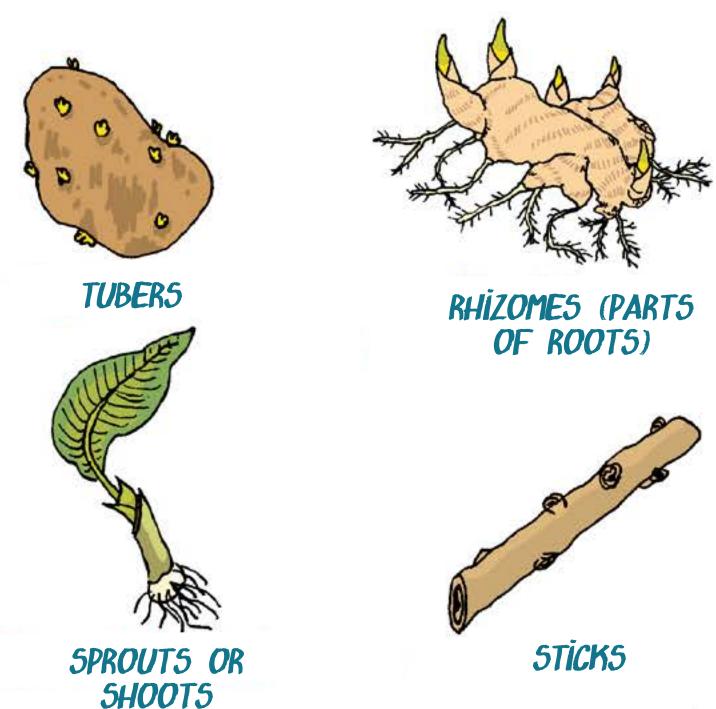
CEREALS AND OTHER GRAINS PLANTED IN LARGE QUANTITIES ARE USUALLY SELECTED "EN MASSE".

- JELECT PLANTS THAT ARE NOT AT THE BORDERS, BUT RATHER A FEW METERS WITHIN THE CULTIVATED FIELD, TO AVOID ABNORMAL CONDITIONS.
- TAKE OUT WHOLE PLANTS, WITH ROOTS AND ALL.
- IN ORDER TO KEEP THE GENETIC VIGOR, AROUND 500 PLANTS MUST BE PICKED.
- TAKE THESE PLANTS TO A SUITABLE WORKING SPACE TO CARRY OUT SELECTION:



VEGETATIVE PROPAGATION

= TO TAKE PARTS OF A PLANT AND CULTIVATE THEM TO PRODUCE NEW COMPLETE PLANTS.



IN SOME SPECIES, THE VEGETATIVE PART MUST BE CURED FIRST, BEFORE PLANTING.

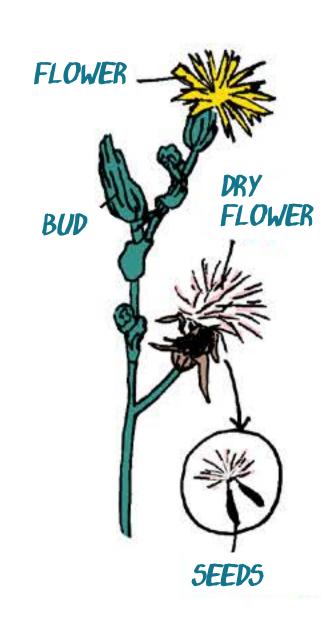
FOR EXAMPLE: WAITING FOR THE POTATO TO DEVELOP SPROUTS CAN TAKE 2 MONTHS.

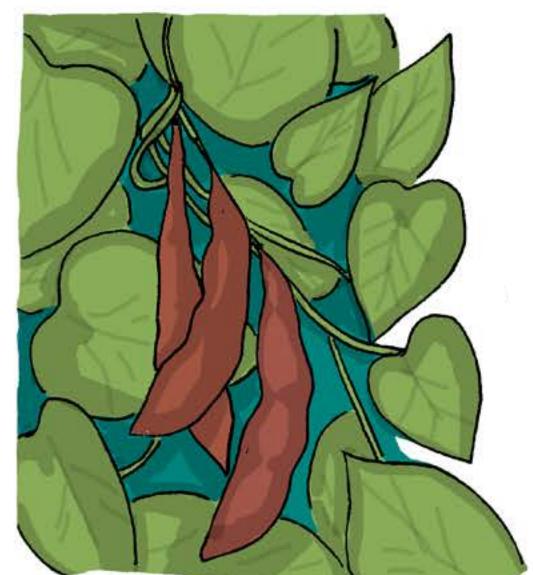
STICKS MUST BE LEFT IN WATER TO PROMOTE ROOTING.

HARVESTING FOR SEED PRESERVATION

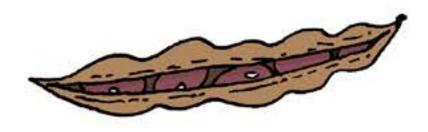
PLANTS SUCH AS LETTUCE ARE
HARVESTED WHEN 75% OF THE
SEEDS ARE FORMED AND DRIED. DO
THIS TO AVOID THE LOSS OF SEEDS
THAT FALL IN THE SOIL WHEN THEY
ARE BLOWN BY THE WIND.

THE ENTIRE PLANT IS TAKEN OUT, AND IT IS HUNG UPSIDE DOWN IN A PROTECTED PLACE UNTIL THE SEEDS ARE ALL DEVELOPED.

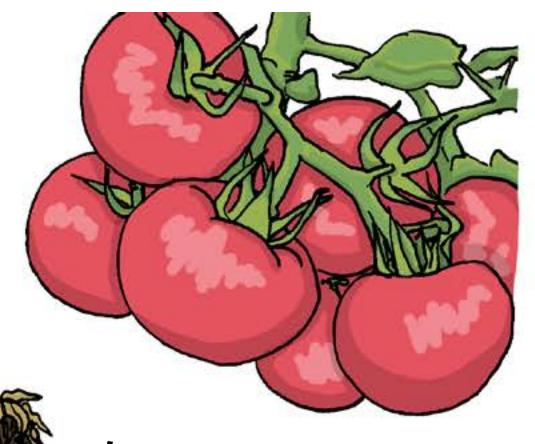




BEANS AND THE
LIKE ARE HARVESTED
WHEN THEY ARE
COMPLETELY DRY. THE
PODS RATTLE WHEN
YOU SHAKE THEM.



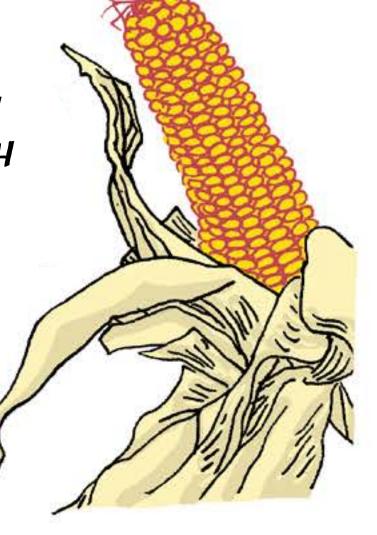
FRUITS LIKE TOMATO
ARE HARVESTED
WHEN THE FRUIT IS
SLIGHTLY OVERRIPE.



BIG SEEDS SUCH AS CORN AND SUNFLOWER ARE HARVESTED WHEN THEY ARE COMPLETELY DRY.

THEY SHOULD BE
PROTECTED FROM
BIRDS WITH A NYLON
STOCKING OR A MESH
WHILE THEY DRY.

IT IS VERY IMPORTANT TO HARVEST ON A DRY DAY, AFTER 10 AM, WHEN THE DEW HAS EVAPORATED.



CLEANING SEEDS

THE SEED IS ALIVE, AND IT IS NOT GOING TO ROT IF WE KEEP IT UNDER THE CORRECT CONDITIONS. BUT AS CHAFF AND DEAD PLANT MATERIAL WILL DECOMPOSE, THEY MAY DAMAGE THE SEED IF NOT REMOVED FIRST.



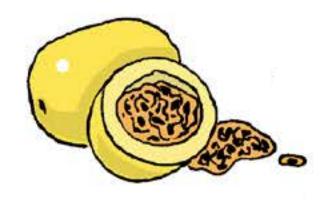
* LARGE GRAINS, SUCH AS BEANS, CORN AND SUNFLOWER ARE EASILY SEPARATED.

* SMALL GRAINS, SUCH AS RICE OR WHEAT:
BEAT THE STALK TO SEPARATE THE
GRAIN. TRADITIONALLY, A DONKEY
OR COW WILL BE PUT TO WALK IN
CIRCLES OVER A LARGE AMOUNT
OF SEED STALKS.



- 1 SMALL MESH: THE SEEDS PASS, THE LARGE PIECES OF CHAFF STAY
- FINE MESH: THE SEEDS STAY, FINE
 CHAFF PASSES
- (3) PUT WHAT IS LEFT IN A BOWL, AND GENTLY BLOW OUT THE LIGHTER CHAFF.

CLEANING SEEDS FROM FRUITS

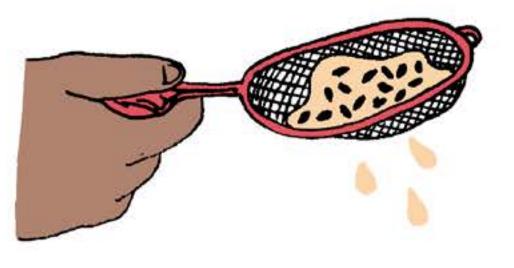


SEEDS THAT COME FROM INSIDE FRUITS
SUCH AS TOMATO, PASSION FRUIT, OR
PAPAYA, OFTEN HAVE A PROTECTIVE
GEL THAT INHIBITS GERMINATION. IT
CAN ROT IN STORAGE.



TO REMOVE IT, PUT THE SEEDS IN A GLASS OF WATER - CHLORINE FREE- FOR A COUPLE OF DAYS, UNTIL A WHITE FILM HAS FORMED AT THE SURFACE.

THIS IS A FUNGUS (PENICILLIN) THAT WILL BOTH CLEAN OUT THE GEL AND PROTECT THE SEED FROM POTENTIAL DISEASES.



WASH THE SEED
AFTERWARDS BY RUBBING
THEM GENTLY AGAINST A
STRAINER OR MESH, AND
PUT TO DRY.







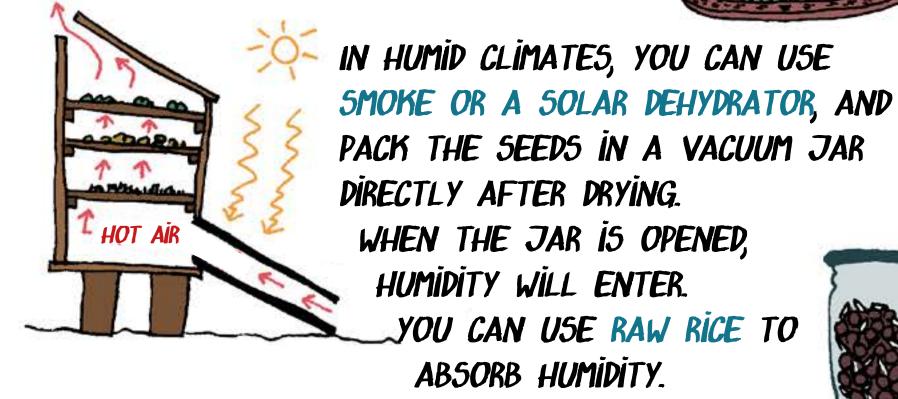




DRYING

IN THE PLANT THE SEED HAS ABOUT 15% HUMIDITY. IDEALLY, WE MUST LOWER THIS TO 5% FOR STORAGE.

IN DRY CLIMATES, THIS IS ACHIEVED BY LEAVING THE SEED IN A WELL VENTILATED PLACE, IN THE SHADE, FROM 2 WEEKS TO 2 MONTHS.



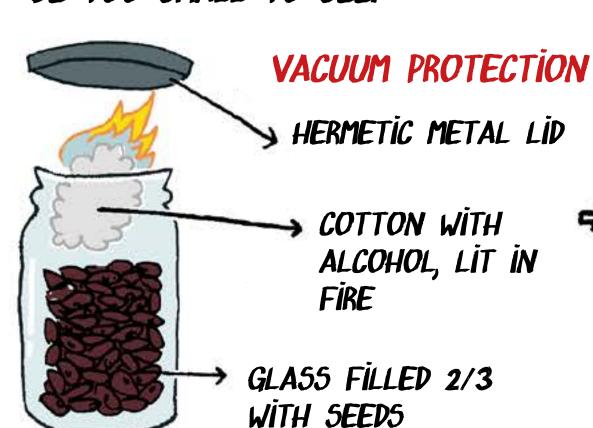
DRYING WITH SMOKE IS THE MOST TRADITIONAL AND EFFECTIVE TECHNIQUE.

IN THE PAST, SEEDS WERE PLACED ABOVE AN OPEN FIRE. NOW WE CAN BUILD HOME SMOKERS OR SMOKER ROOMS. THE SMOKE DRIES THE SEEDS AND PROTECTS THEM FROM PESTS AND DISEASES.





THE SEED MAY BE ATTACKED BY PESTS: INSECTS OFTEN LAY THEIR EGGS ON THE SEEDS WHILE THEY ARE IN THE FIELD. THEIR EGGS MAY BE TOO SMALL TO SEE.

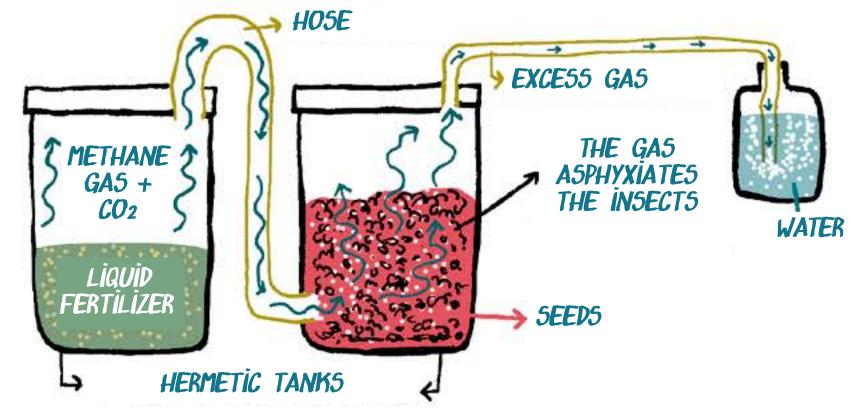


MAIN PESTS:



WHEN THE JAR 15 CLOSED, THE LID SINKS IN AND THE INSECTS DIE FROM LACK OF OXYGEN.

TANK SYSTEM (FOR LARGER QUANTITIES OF SEEDS)



29

STORAGE

SEEDS SHOULD BE STORED AND PROTECTED FROM ATTACK BY PESTS.

TRADITIONALLY, THIS WAS DONE IN CERAMIC CONTAINERS.





TODAY WE DO IT IN
GLASS JARS, PLASTIC OR
METAL CONTAINERS.



THE SEED MUST BE TOTALLY DRY AND CLEAN BEFORE IT CAN BE STORED.

SEED PASSPORT

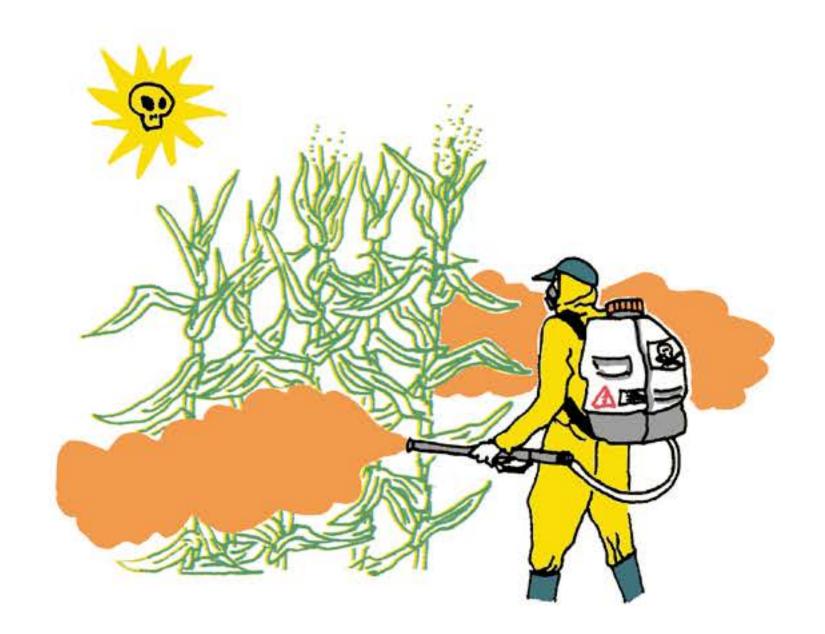
FROM THE MOMENT THEY ARE HARVESTED UP TO STORAGE AND DISTRIBUTION, ESSENTIAL INFORMATION MUST GO ALONG EACH BATCH OF SEEDS:

- COMMON NAME
- SPECIES AND VARIETY
- ~ DATE OF HARVESTING
- -MONTH AND YEAR
- LOCATION
- PRODUCER



SEED QUALITY

FOR THE INDUSTRY, A QUALITY SEED IS UNIFORM AND STABLE, GENERATION AFTER GENERATION. IT MUST RESPOND WELL TO AGROCHEMICALS, LONG DISTANCE TRANSPORT, AND PREFERABLY BE VULNERABLE TO PESTS AND DISEASES TO ENSURE DEPENDENCY ON AGROCHEMICALS.



FOR THE FARMERS AND THE PUBLIC, A QUALITY SEED IS DIVERSE, RESISTANT, RESILIENT AND ADAPTABLE TO LOCAL CONDITIONS. IT MUST PRODUCE TASTY FOOD WITH GREAT NUTRITIONAL VALUE, RELEVANT IN THE ECOLOGICAL AND CULTURAL CONTEXT. IT MUST PROMOTE INDEPENDENCE.



WORLD FOOD SECURITY LARGELY DEPENDS ON FARMERS SEEDS. THEIR CONTINUOUS CREATION AND USE ARE ESSENTIAL FOR THE WELLBEING OF HUMANITY.

WE FIND THAT FARMER SEEDS ARE SUPERIOR IN QUALITY TO INDUSTRIAL SEEDS, BUT IT IS NECESSARY TO SUPPORT THE SEED GUARDIANS WHO CONTINUE TO SELECT AND IMPROVE THEM YEAR AFTER YEAR.

PARTICIPATORY GUARANTEE SYSTEM

THE SEED GUARDIANS NETWORK OF ECUADOR HAS DEVELOPED A PARTICIPATORY GUARANTEE SYSTEM WHERE THE PRODUCERS VISIT EACH OTHER TO MAINTAIN QUALITY STANDARDS IN AGROECOLOGY AND SEED PRODUCTION.

THE PARAMETERS ARE:

- inheritance: Native or creole seeds, coming from inherited material, capable of multiplying life.
- AGROECOLOGY: EXCLUSIVELY USE AGROECOLOGIC PROCESS TO PRODUCE THE SEEDS.
- GERMINATION: PERCENTAGE OF ADEQUATE GERMINATION, ACCORDING TO THE SPECIES.
- PROTOCOLS: CULTIVATION ACCORDING TO THE SPECIFIC PROTOCOLS FOR SUCH SPECIES, BASED ON TRADITIONAL TECHNIQUES, TO ENSURE QUALITY AND GENETIC DIVERSITY.
- SELECTION: SEEDS CHOSEN FOR SIZE AND SHAPE ACCORDING TO THE SPECIES, FREE FROM DEBRIS AND PLAGUES.
- 6 STORAGE: USE OF ECOLOGIC PRODUCTS AND ADEQUATE CONDITIONS FOR STORAGE, CHEMICAL FREE.
- DEFINED VARIETY: THE SEED CORRESPONDS TO THE CHARACTERISTICS DEFINED FOR THE VARIETY.
- SOCIAL EQUITY: FAIR TREATMENT OF ALL PEOPLE INVOLVED IN THE PRODUCTION PROCESS, PRACTICING RECIPROCITY AND COMPLEMENTARITY.

IF YOU HAVE NEVER SAVED SEEDS UNTIL NOW, YOU ARE AT THE BEGINNING OF A LONG AND WONDROUS TRIP.

THE SEED IS THE ESSENCE OF LIFE ITSELF. TO TAKE CARE OF IT IS AN ACT OF COURAGE AND DEFIANCE TO A SYSTEM THAT TRIES TO SUPPRESS DIVERSITY AND AUTONOMY. BUT ABOVE ALL, IT IS AN ACT OF LOVE AND REVERENCE TOWARDS NATURE AND TOWARDS ALL THE PEOPLE THAT HAVE SUSTAINED THE SEED FOR CENTURIES.









IF YOU ALREADY TAKE CARE OF SEEDS, REMEMBER THAT YOU ARE NOT ALONE. IN EACH CORNER OF THE WORLD AUTONOMOUS GROUPS OF PEOPLE HAVE EMERGED, DEDICATED TO RESCUING OUR AGRICULTURAL AND FOOD HERITAGE.

IF YOU ARE IN ECUADOR OR LATIN AMERICA, WE INVITE YOU TO CONTACT US THROUGH WWW.REDSEMILLAS.ORG, THE OLDEST NETWORK OF SEED GUARDIANS IN THE REGION.

THE FUTURE OF FOOD IS IN YOUR HANDS.

RIGHT TO THE SEEDS

ALL PEOPLE HAVE THE RIGHT TO CREATE, SAVE, MULTIPLY, SHARE, EXCHANGE, SELL AND FREELY DISTRIBUTE SEEDS.

NO LAW, PUBLIC POLICY, MARKET STRATEGY OR PRIVATE APPROPRIATION MAY INFRINGE UPON THIS BASIC RIGHT.

RIGHTS OF SEEDS

- RIGHT TO KEEP THE GENETIC AND CULTURAL INHERITANCE THEY CONTAIN, THROUGH THE PRESERVATION OF THE INHERITED VARIETIES
- -RIGHT TO EVOLVE IN LOCAL CONDITIONS AND IN THE HANDS OF THE POPULATION, IN A DECENTRALIZED MANNER.
- -RIGHT TO FREE CIRCULATION, WITHOUT BORDERS, SINCE SUCH MOVEMENT REVITALIZES THE SEED ALLOWING ITS EVOLUTION AND ADAPTATION.
- -RIGHT TO BE PROTECTED FROM TRANSGENIC CONTAMINATION, FROM AGROCHEMICALS, AND FROM ALL LAW, PRACTICE, COMMERCIAL INTEREST OR PRIVATE APPROPRIATION THAT ATTEMPTS AGAINST THE PREVIOUS RIGHTS.

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SECOND EDITION, SEPTEMBER 2019

CONCEPT AND TEXTS: JAVIER CARRERA

info@redsemillas.org www.redsemillas.org

*ILLUSTRATIONS:*MARIE PIERRE NOGUES

meteorzines@gmail.com

GLOBAL OUTREACH ANN KATHRIN NEUREUTHER

akneureuther@rare.org

DULCE ESPELOSIN
despelosin@rare.org







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