

# CYCAD BASIC SEED I.D.



fig. 15



fig. 8



fig. 1



fig. 16



fig. 9



fig. 2



fig. 17



fig. 10



fig. 3



fig. 18



fig. 11



fig. 4



fig. 19



fig. 12



fig. 5



fig. 20



fig. 13



fig. 6



fig. 14



fig. 7

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IN fig. 1 & 2 *E. dyerianus* SEED

CHECK OUT THE CONNECTION TO THE SEED SCALE  
COLOUR:- LIGHT YELLOW, WITH SOMETIMES GREEN TINT.  
SEED SURFACE SMOOTH AFTER FLESH REMOVED,  
NO RIDGES BUT PROMINENT LINES.  
FLESH PEELS OF LIKE AN NARTJIE.  
TIME OF POLLENATION:-MARCH

IN fig. 3, 4,10 & 11 *E. aemulans* SEED

CHECK OUT THE CONNECTION TO THE SEED SCALE  
COLOUR:- DARK ORANGE TO REDISH..  
SEED SURFACE SMOOTH AFTER FLESH REMOVED,  
NO RIDGES BUT PROMINENT LINES.  
YOU MIGHT FINDSMALL RIDGES SOME TIMES  
FLESH DO NOT PEEL OFF EASILY..  
TIME OF POLLENATION :- APRIL.  
SPROUTING 12 MONTHS AFTER POLLENATION.

IN fig. 5, 6, , 12 13 & 14 *E. umbeluziensis* SEED

CHECK OUT THE CONNECTION TO THE SEED SCALE  
COLOUR:- DARK ORANGE..  
SEED SURFACE NOT SMOOTH AFTER FLESH REMOVED,  
PROMINENT RIDGES AND LOOKS AND FEELS LIKE SAND PAPER.  
FLESH DO NOT PEEL OFF EASILY..  
TREAT THE SEED WITH BENOMIL OVER AN 24 HOUR PERIOD.  
TIME OF POLLENATION APRIL.  
SPROUTING 12 MONTHS AFTER POLLENATION.

IN fig. 8 & 9 *E. middelburensis* SEED

CHECK OUT THE CONNECTION TO THE SEED SCALE.  
COLOUR:- LIGHT YELLOWISH.  
SEED SMOOTH AFTER FLESH REMOVED, NO RIDGES.  
FLESH PEELS OF EASILY LIKE AN NARTJIE.  
TIME OF POLLENATION:- END MARCH TO APRIL.  
SPROUTING 12 MONTHS AFTER POLLENATION

IN fig. 15 *E. villosus* SEED

CHECK OUT THE PROMINENT SHAPE.  
ALMOST LOOKS LIKE *E. umbeluziensis*.  
SEED NOT SMOOTH, PROMINENT RIDGES ON THE SEED.  
SAME AS *E. umbeluziensis*.  
COLOUR:- LIGHT ORANGE.  
SEED NOT SMOOTH AFTER FLESH REMOVED, RIDGES.  
FLESH DO NOT PEELS OF EASILY LIKE AN ORANGE.  
TIME OF POLLENATION:- END FEBRUARY TO MARCH.  
SPROUTING 12 MONTHS AFTER POLLENATION.

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IN fig. 16 *E. lebomboensis* (*retiefii*) SEED

CHECK OUT THE PROMINENT SHAPE OF THE SEED.  
PROMINENT RIDGES ON THE SEED.  
SAME AS *E. umbeluziensis* and *E. villosus*.  
COLOUR:- LIGHT ORANGE TO RED.  
SEED NOT SMOOTH AFTER FLESH REMOVED,  
FLESH DO NOT PEELS OF EASILY LIKE AN NARTJIE.  
TIME OF POLLENATION:- END FEBRUARY TO MARCH.  
SPROUTING 12 MONTHS AFTER POLLENATION.

IN fig. 17 *E. eugene maraisii* SEED

CHECK OUT NO PROMINENT RIDGES ON THE SEED.  
SEED IS SMOOTH.  
CHECK OUT THE SHAPE.  
COLOUR:- LIGHT YELLOWISH.  
FLESH PEELS OF EASILY LIKE AN NARTJIE.  
TIME OF POLLENATION:- FEBRUARY.  
SPROUTING 12 MONTHS AFTER POLLENATION.

IN fig. 18 & 19 *E. longifolius* SEED

CHECK OUT NO PROMINENT RIDGES, ONLY LINES ON THE SEED.  
PROMINENT, YOU CAN NOT MISS IT, ROUNDISH WHITE COLOUR  
AT THE CONNECTION POINT TO THE SCALE OF THE CONE.  
CHECK OUT THE SHAPE.  
COLOUR:- LIGHT ORANGE TO RED ON GREEN *E. longifolius*  
COLOUR:- LIGHT YELLOWISH ON BLUE *E. longifolius*.  
SEED SMOOTH AFTER FLESH REMOVED,  
FLESH DO PEEL OF EASILY LIKE AN NARTJIE.  
TIME OF POLLENATION:- END MAY TO JUNE.  
SPROUTING 12 MONTHS AFTER POLLENATION.

IN fig. 20 *E. latifrons* SEED

CHECK OUT NO PROMINENT RIDGES, ONLY LINES ON THE SEED (13-14).  
CHECK OUT THE SHAPE.  
COLOUR:- LIGHT ORANGE TO RED.  
SEED SMOOTH AFTER FLESH REMOVED,  
FLESH DO PEELS OF EASILY LIKE AN NARTJIE.  
TIME OF POLLENATION:- END JUNE TO JULY.  
SPROUTING 12 MONTHS AFTER POLLENATION.

# CYCAD BASIC SEED I.D.

## IN GENERAL

- 1.) GREEN LEAVE CYCADS, FLESH DIFFICULT TO REMOVE.
- 2.) BLUE LEAVE CYCADS SEED FLESH EASILY REMOVED.  
LIKE PEELING AN NARTJIE!!!
- 3.) GREEN LEAVE CYCADS, NORMALLY THE ONE'S WITH RIDGES.
- 4.) BLUE LEAVED CYCADS NORMALLY SMOOTH WITHOUT RIDGES.  
SOME WITH PROMINENT LINES.
- 5.) GREEN LEAVED CYCAD SEED COLOUR NORMALLY ORANGE TO DARK RED.
- 6.) BLUE LEAVED CYCADS SEED COLOUR FROM ORANGE TO RED TO YELLOW.
- 7.) SEED ON CONE, FROM 3 MONTHS E. INOPINUS FROM POLLENATION TO SHEDDING SEED, TO 12 MONTHS E. transvenosus AND MOST AFRICAN SPECIES.
- 8.) SEED SPROUTING, 12 MONTHS FROM POLLENATION.
- 9.) POLLENATION PERIOD, CHECK OUT POLLENATION TABLE (TO FOLLOW)
- 10.) TO CLEAN, AFTER SEED RIPENS, FLESH BECOMES SOFT, EMERGE IN AN BUCKET OF WATER FOR 3 TO 5 DAYS.
- 11.) ONE CAN EVEN USE RIVER SAND AND RUB SEED BETWEEN YOUR HANDS.
- 12.) TREAT SEED WITH ANTI FUNGI. AFTER CLEANING.
- 13.) SEED IN INCUBATOR WITH MOISTURE AT 30°C
- 14.) E. inopinus SEED TO BE TREATED WITH SYSTEMIC FUNGICIDES AFTER SPROUTED AND PLANTED IN POTS AND BAGS.  
TO PREVENT PHYTOPHORA (DAMPING OFF) (OM VAL SIEKTE).  
NOT AN BAD IDEA TO TREAT ALL SEAD.
- 15.) FRESH COMPOST ALWAYS AN BAD IDEA,
- 16.) QUICK WAY TO TEST YOUR COMPOST AND CYCAD MIX.  
COMPLETE YOUR CYCAD MIX IN AN TRAY.  
PLANT SOME RADISH (RADYS) SEED.  
KEEP WET.  
IF SEED SPROUTS IN 3 DAYS YOUR COMPOST (CYCAD MIX) IS GOOD!!!!  
IF SEED SPROUTS AND LEAVES SEEMED BURNED, COMPOST NOT READY.  
IF SEED DO NOT SPROUT IN 3 DAYS, CYCAD MIX, COMPOST NOT GOOD.  
TO MUCH FUNGI!!!!!!!
- 17.) IF ALL ELSE FAILS TRY AGAIN UNTIL YOU SUCCEED!!!!
- 18.) NOT AN BAD IDEA TO SPRAY ALL CONES WITH A PROPER INSECTICIDE TWO WEEKS PRIOR TO POLLENATION TO PREVENT BEETLES AND WURMS DESTROYING THE SEED AND YOUR POLLEN.

### NOTE:-

REMEMBER, THIS IS PURELY BUT AN GUIDE LINE AND NOT THE ALPHA AND OMEGA OF CYCADS.