

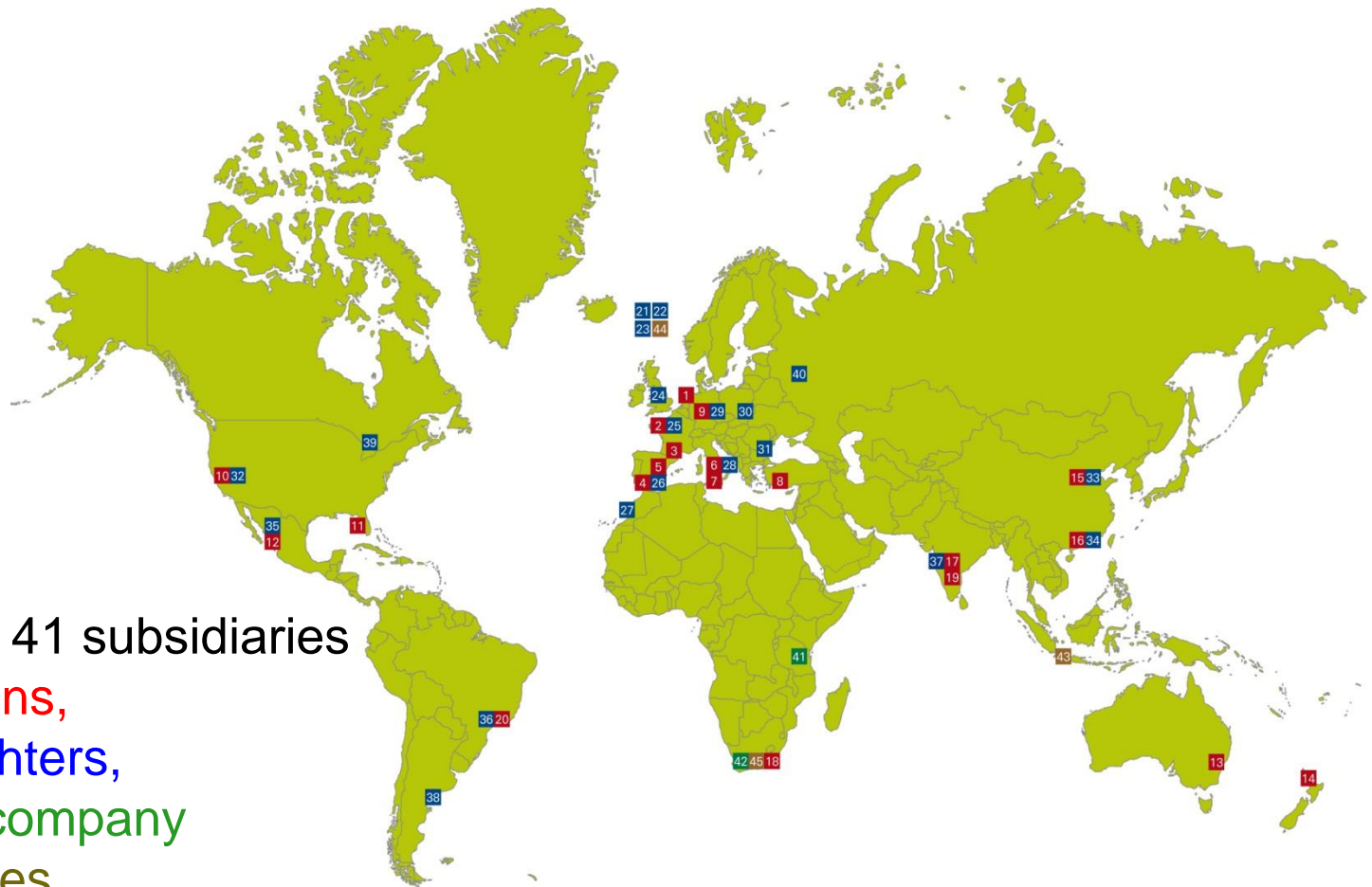
Discovering the Enza organization

ENZA ZADEN



“An introduction.....”

The world of Enza Zaden 2014



Enza Zaden's 41 subsidiaries

17 R&D stations,

18 M&S daughters,

3 production company

3 Joint Ventures.



Breeding in 25 crops

Solanaceae

Tomato
Sweet pepper
Hot pepper
Eggplant

Cucurbitaceae

Cucumber
Melon
Squash
Pumpkin
Bittergourd

Brassicaceae

Cauliflower
Kohlrabi
Radish
Rucola
Broccoli

Alliaceae

Leek
Onion
Chive

Compositae

Lettuce
Endive
Radicchio

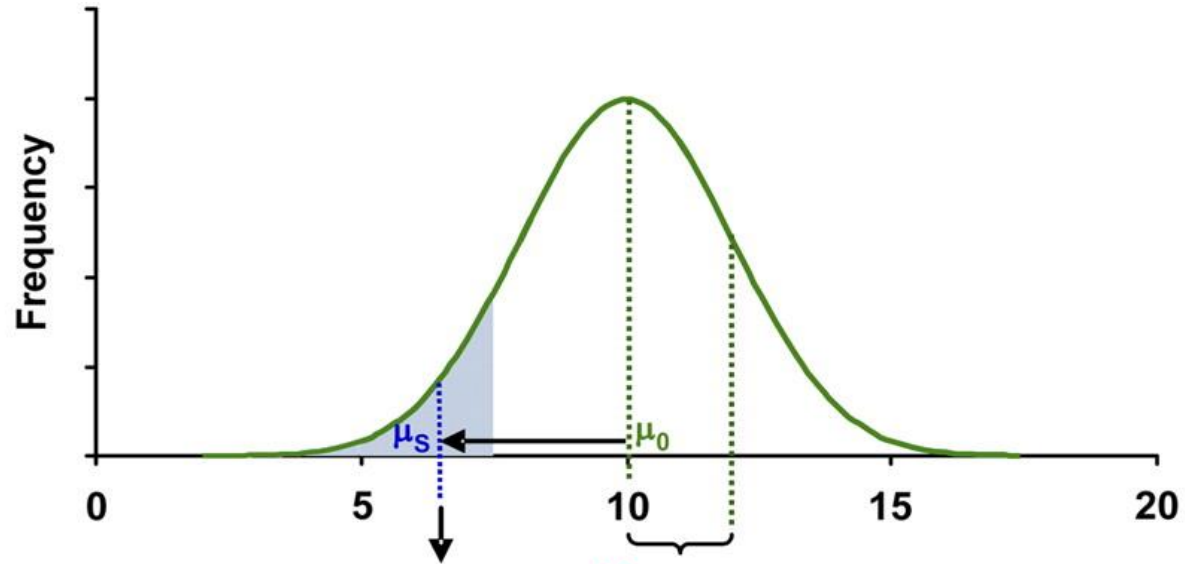
Other

Parsley
Spinach
Corn salad
Fennel
Basil
Dill



EZ subsidiary structure





Genetic Gain = $\Delta G = h^2 \sigma_p i / L$ → length of cycle interval (usually 1 generation)

↓
heritability

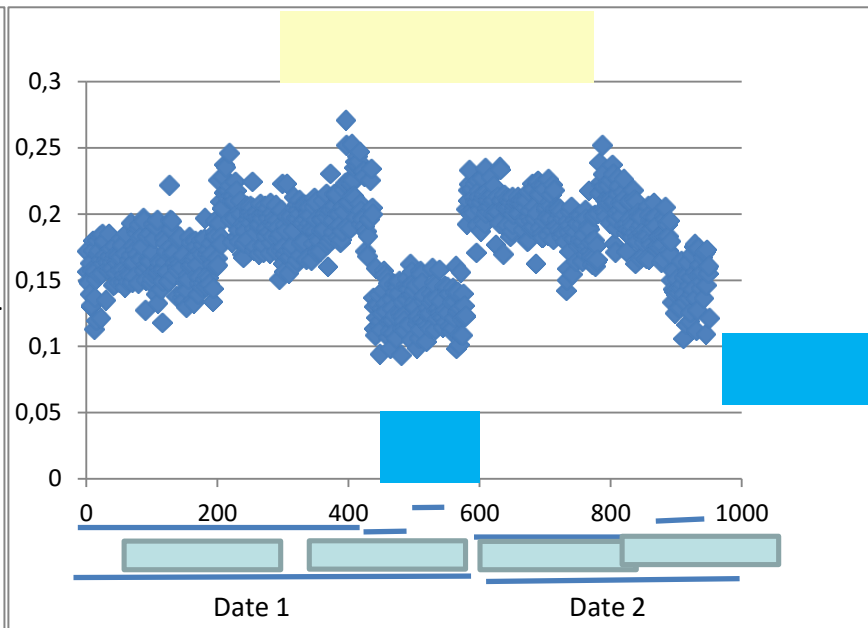
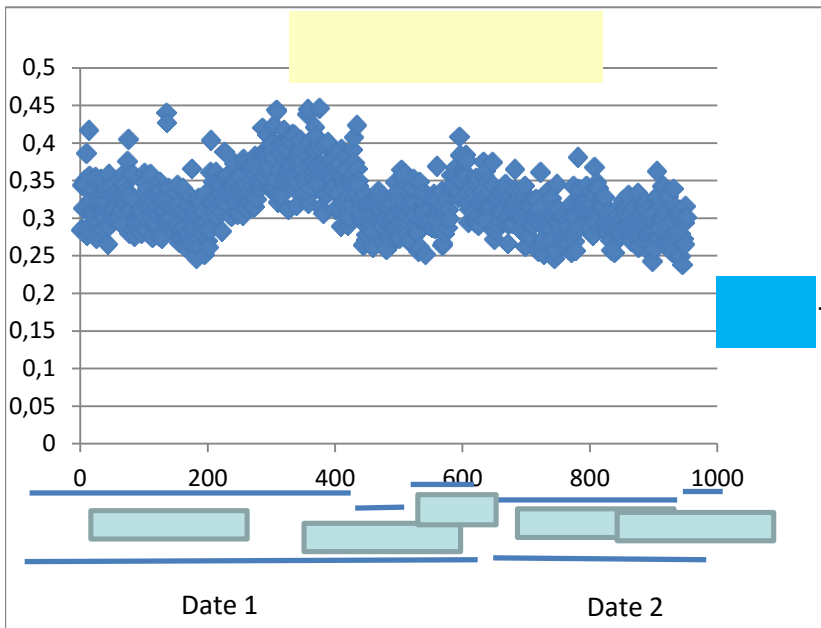
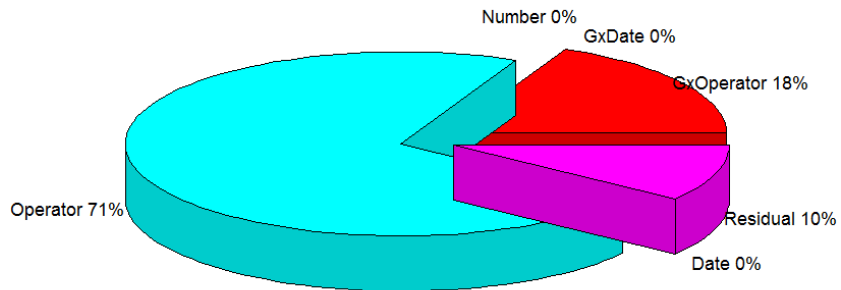
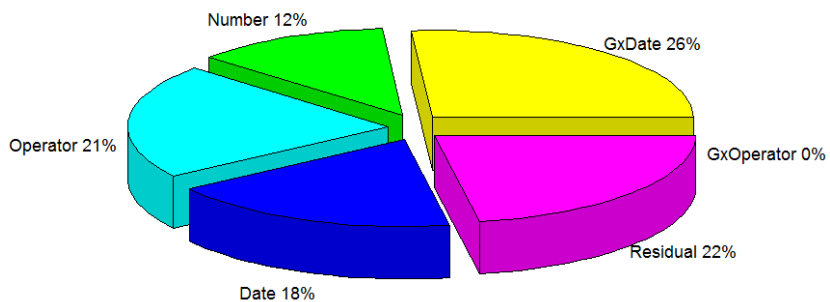
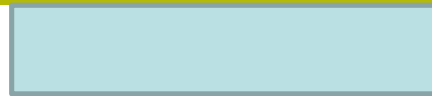
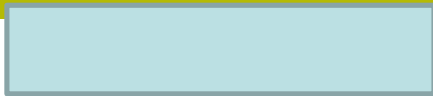
↓
Selection Intensity
proportion of population selected to produce the next generation

↓
phenotypic variability in population

$$\sigma^2_{\text{Genotype}} - \sigma^2_{\text{Dominance}} - \sigma^2_{\text{Epistasis}} = \sigma^2_{\text{Additive}}$$

$$\sigma^2_{\text{Genotype}} + \sigma^2_{\text{Environment}} + \sigma^2_{\text{GxE}} + \sigma^2_{\text{error}} = \sigma^2_p$$





Operator and date effect with interaction. Date correlated to the operator effect.

NL4084298_2067_1
 Red Area: 5135
 Total Area: 5826.7

NL4084298_2067_1
 Red Area: 5135
 Total Area: 5826.7



Figuur 3-9: Kleurenbeeld in een andere kleur weer



Figuur 3-10: Kleurenbeeld wordt in een andere kleur



σ^2 Genotype Environment σ^2 Error

the interval generation)

on selected generation

population



Thank you !

Questions