

Univanich Palm Oil PCL

Univanich has been a pioneer of the oil palm industry in Thailand since the company's first plantings in 1969. Until 1998, Univanich was developed through a joint venture with the Anglo-Dutch corporation Unilever PLC. Under the management of Unilever Plantations and Plant Science Group the company established Thailand's first oil palm research programme. Today, the Univanich Oil Palm Research Centre conducts a wide range of oil palm field trials and an advanced programme of oil palm breeding. In 2003 Univanich became a public company listed on the Stock Exchange of Thailand.



The Univanich breeding programme aims to produce high oil yielding DxP planting materials which are especially tolerant of the seasonal droughts of sub-tropical environments.

The programme was designed by Dr R H V Corley, as Head of Oil Palm Research for the Unilever Plantations and Plant Science Group. Also involved in the design strategy was renowned oil palm breeder Mr E A Rosenquist of the Harrison & Crosfield Group, a partner in the Combined Breeding Programme (CBP). Since those early days Univanich has continued to engage international consultants in oil palm breeding to advise on parental selection and to ensure that high standards of seed production are maintained. Since 1996, the programme has been guided by the prominent Malaysian oil palm breeder Dr V Rao.



Tissue Culture : In 2005, Univanich constructed Thailand's first laboratory designed to produce oil palm clones from the elite families identified in the company's breeding programme.



Deli x Yangambi Hybrid Seed

For Superior Oil Palm Profitability

Proven Pedigree
Superior Yields
Assured Quality



Univanich Palm Oil Public Company Limited

258 Aoluk-Laemsak Road
Box 8-9 Aoluk District Krabi 81110 Thailand
Telephone: +66 7563 4634 ext 112
Fax: +66 7568 1124
Website: www.univanich.com
Enquiries: info@univanich.com

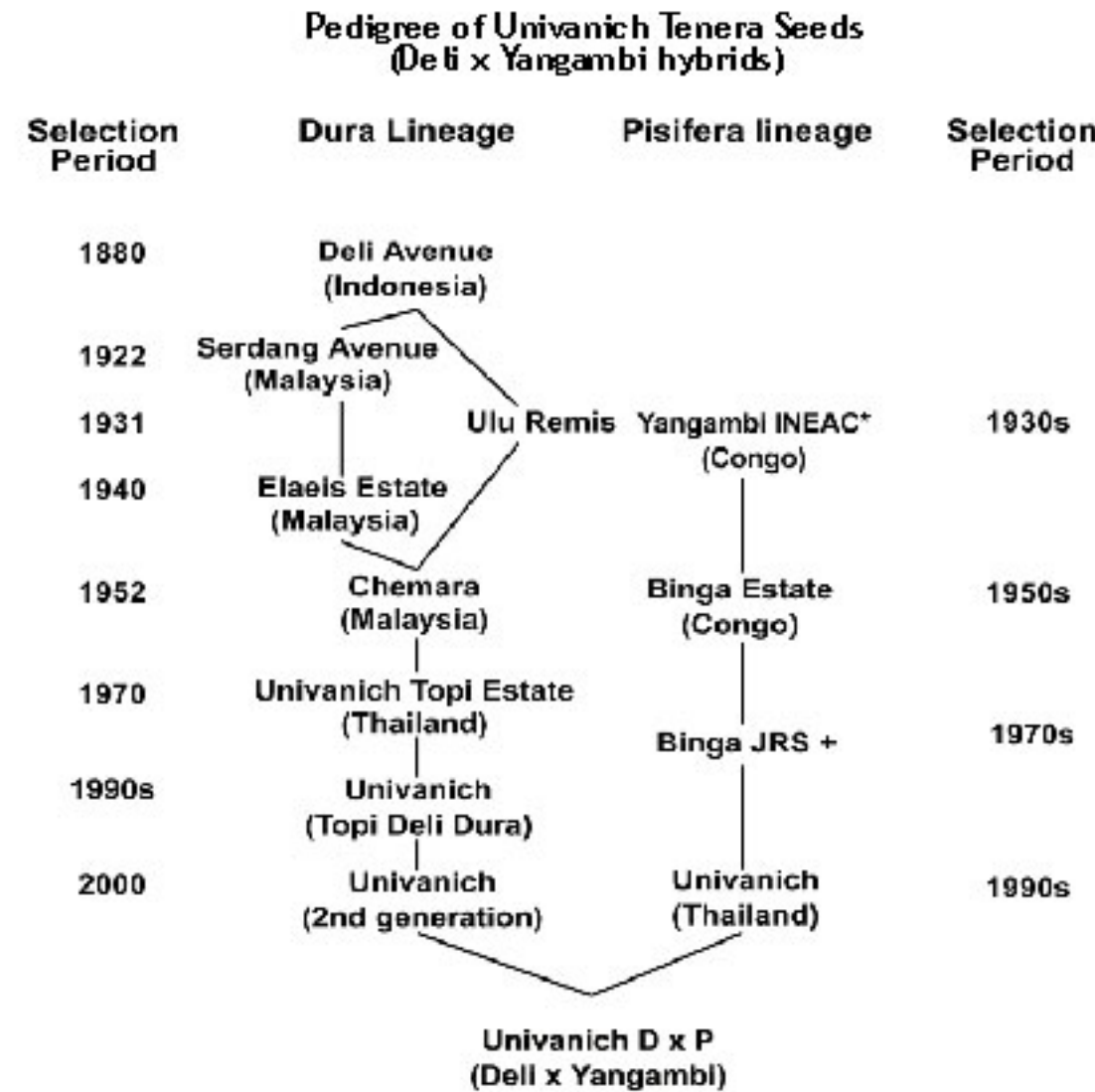


2005 THAILAND BUSINESS LEADER AWARDS
BEST COMPANY IN AGRO-FOOD SECTOR



Proven Pedigree

The Univanich collection of Deli dura (D) and Yangambi pisifera (P) has lineages which can be traced back through many generations of oil palm selection.



The original collection of pedigree Deli dura imported by Univanich in 1970 has undergone further selection to create the Topi Deli Dura breeding population. Extensive bunch analysis has shown these Topi Deli Duras to have excellent bunch and fruit quality.

During the 1980s and 1990s additional collections of breeding material were imported through the Unilever-Harrison Crosfield Combined Breeding Programme (CBP). This CBP material is derived from the breeding programmes of Binga/Yangambi in Congo, Lobe in Cameroon and Dami in Papua New Guinea. Through this exchange, Univanich obtained the famous Yangambi pisifera which have since undergone further selection through progeny testing in Univanich trials.

* Institut National d'Etude Agricole du Congo
+ Joint Research Scheme between Unilever and SIFEF



Superior Yields

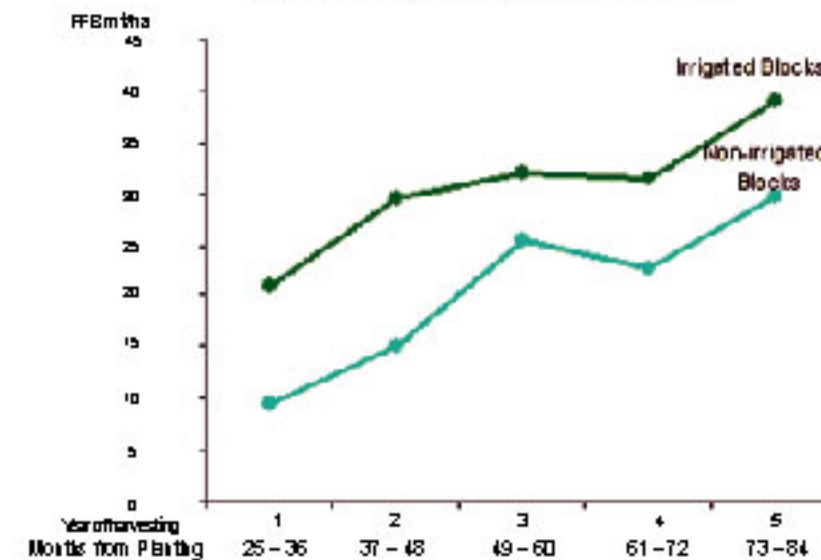
Univanich D x P planting material has been selected in an environment where there is a regular and sometimes severe dry season, with an average annual soil moisture deficit of 210mm. In this environment Univanich material regularly outperforms imported D x P from other regions.

In the same environment but with irrigation to reduce climatic stress, Univanich material achieves world class standards of FFB and oil yield.

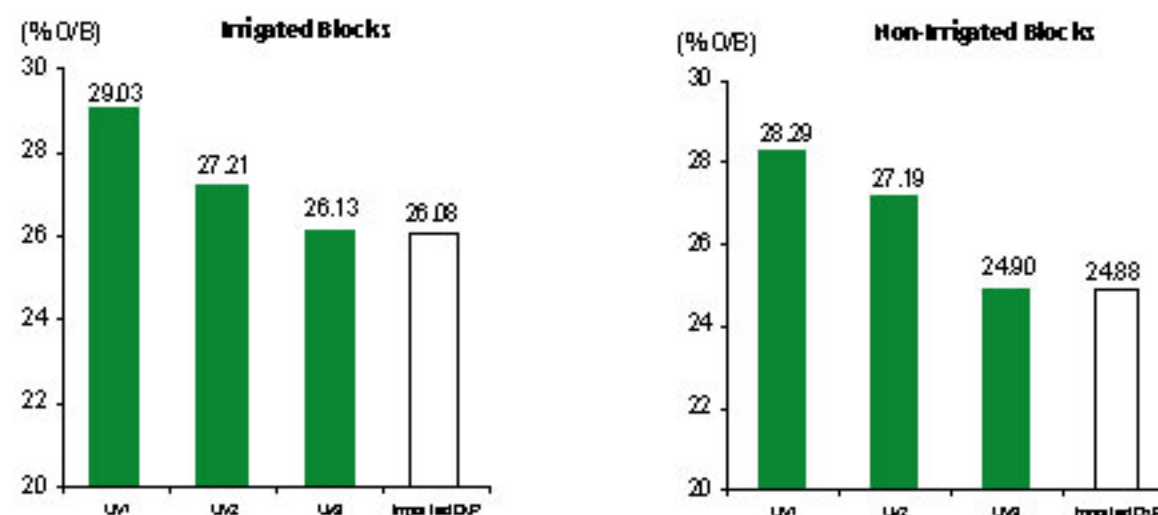
Univanich Soil Water Deficit (mm)

| | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sept | Oct | Nov | Dec | Total |
|------|-----|-----|-----|-----|-----|-----|-----|-----|------|-----|-----|-----|-------|
| 2002 | 24 | 144 | 76 | 36 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 280 |
| 2003 | 0 | 86 | 47 | 14 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 149 |
| 2004 | 28 | 94 | 94 | 26 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 18 | 260 |
| 2005 | 111 | 146 | 22 | 31 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 310 |

FFB Yields of Univanich D x P (Deli x Yangambi mixed commercial crosses)



Bunch Oil Content (Percentage oil to bunch)



Assured Quality



Rigorous field testing and bunch analysis ensures that only the highest yielding hybrid crosses are accepted into the Univanich seed production programme.

Univanich customers can be assured by ISO 9001:2000 Certification and by the regular auditing of production processes necessary to maintain this high quality standard. Recent audits of Univanich D x P crosses in 2000/2001 commercial plantings have revealed 99.73% pure tenera hybrids.



Disease-Free Status: The oil palm industry in Thailand is similar to Malaysia, Indonesia and Papua New Guinea in being relatively free of major diseases. Lethal diseases such as Vascular Wilt, Fatal Yellowing or Lethal Bud Rot, which may infect oil palms in parts of Africa or South and Central America, do not occur in Thailand. Official inspection and Phytosanitary Certificate is provided for each export consignment of Univanich seeds, issued by the Plant Quarantine Service of Thailand's Ministry of Agriculture.

