



FranceAgriMer



Afidol



Faculté
des Sciences
Aix-Marseille Université



TECHNOHUILE 2019

Composition en acides gras et triglycérides: traçabilité, contrôle, origine

Présentation par Christian Pinatel

Centre Technique de l'Olivier

Résultats provenant de nombreux travaux réalisés depuis 2003 avec:

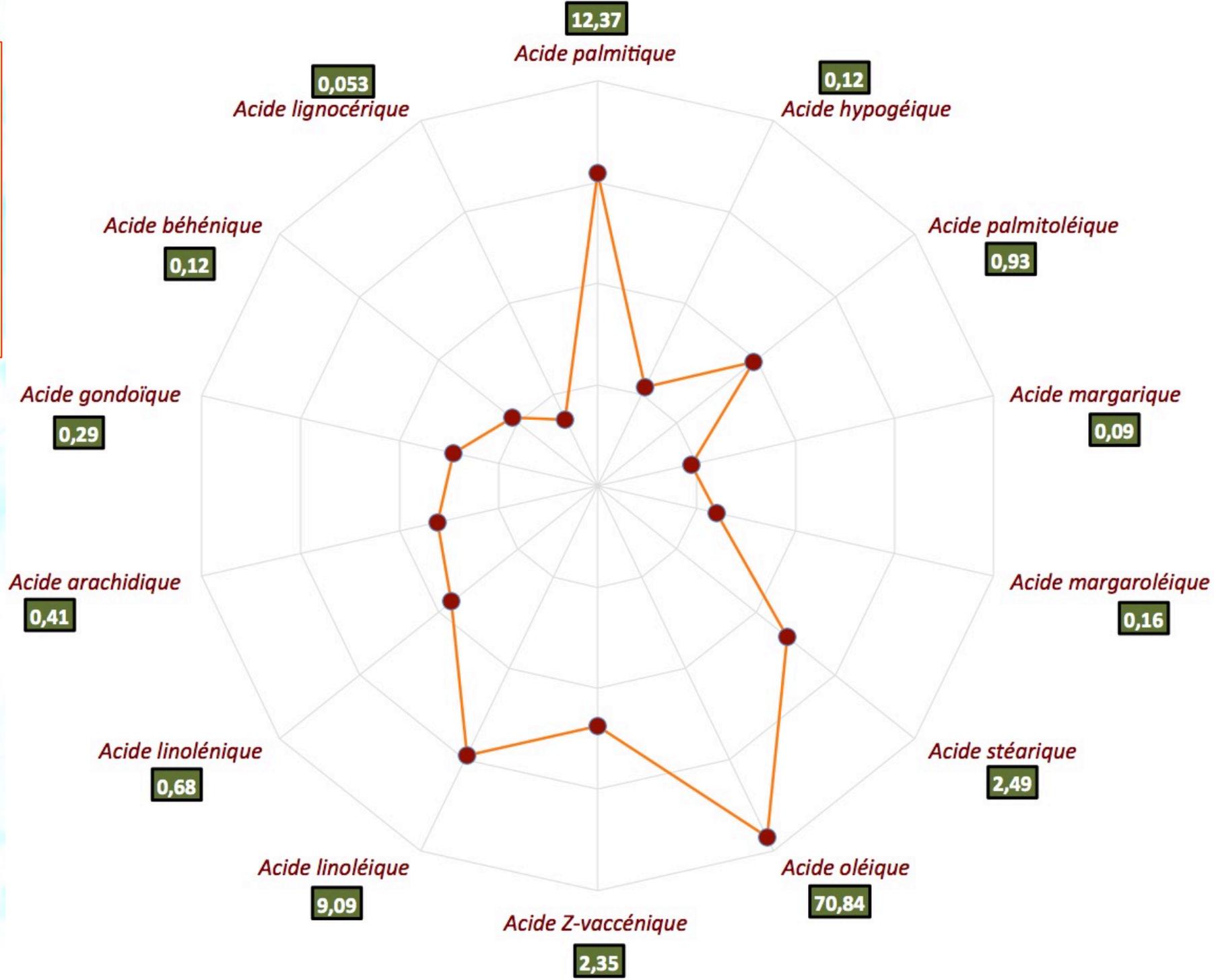
- Université d'Aix-Marseille (Jacques Artaud, Yveline Le Dréau)
- ITERG (Florence Lacoste)
- SCL (Denis Ollivier)

Conférence cofinancée par les Régions Provence-Alpes-Côte d'Azur et Occitanie

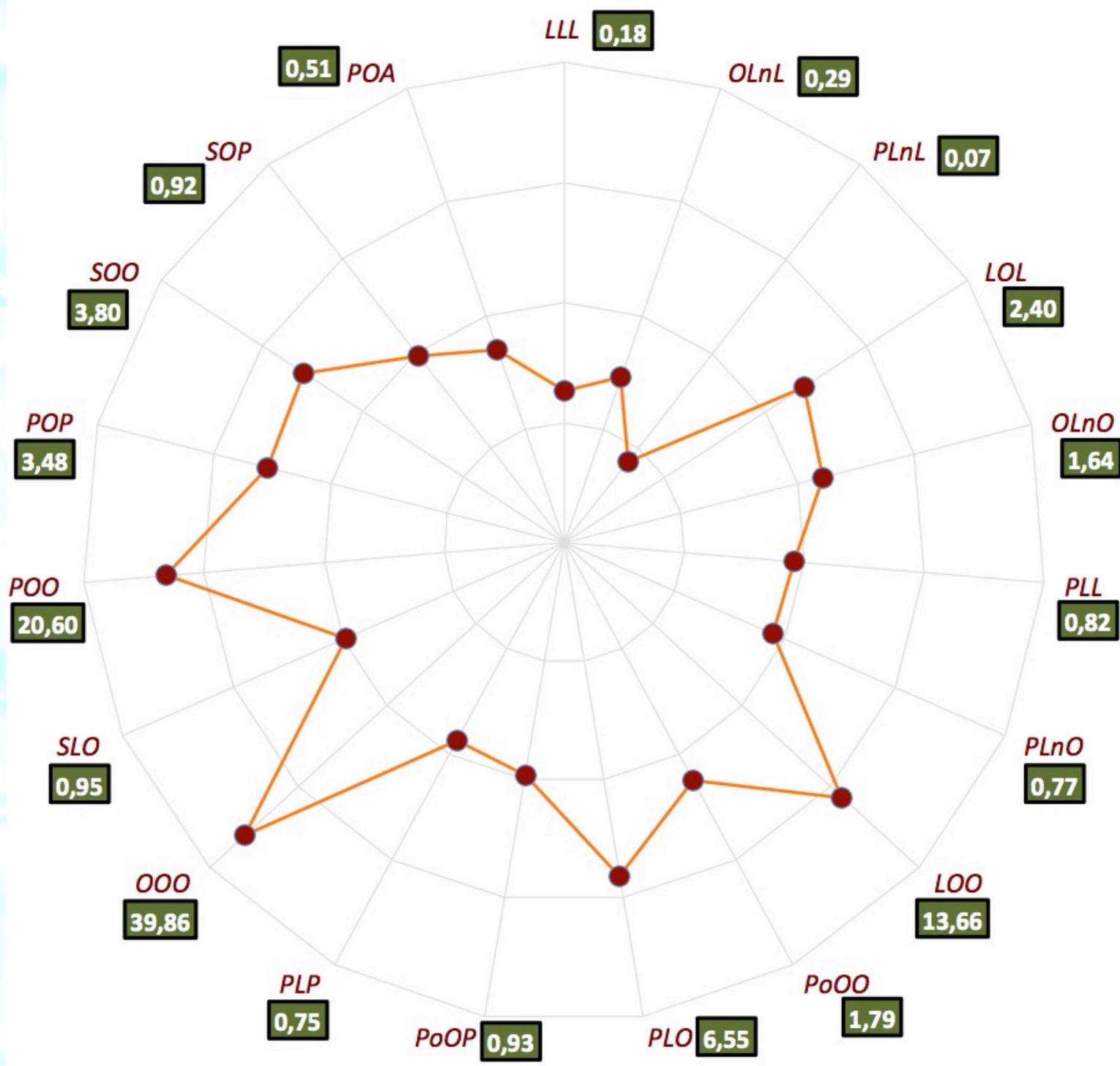
À savoir:

- **Toute huile végétale est composée d'environ 99% de triglycérides**
- **Les triglycérides sont des assemblages de 3 acides gras**
- **Les acides gras quantifiables composant les triglycérides de l'huile d'olive sont au nombre de 14**
- **Les triglycérides quantifiables composant l'huile à partir de ces 14 acides gras sont au nombre de 19**

Les 14 acides gras de l'huile d'olive



Les 19 triglycérides de l'huile d'olive

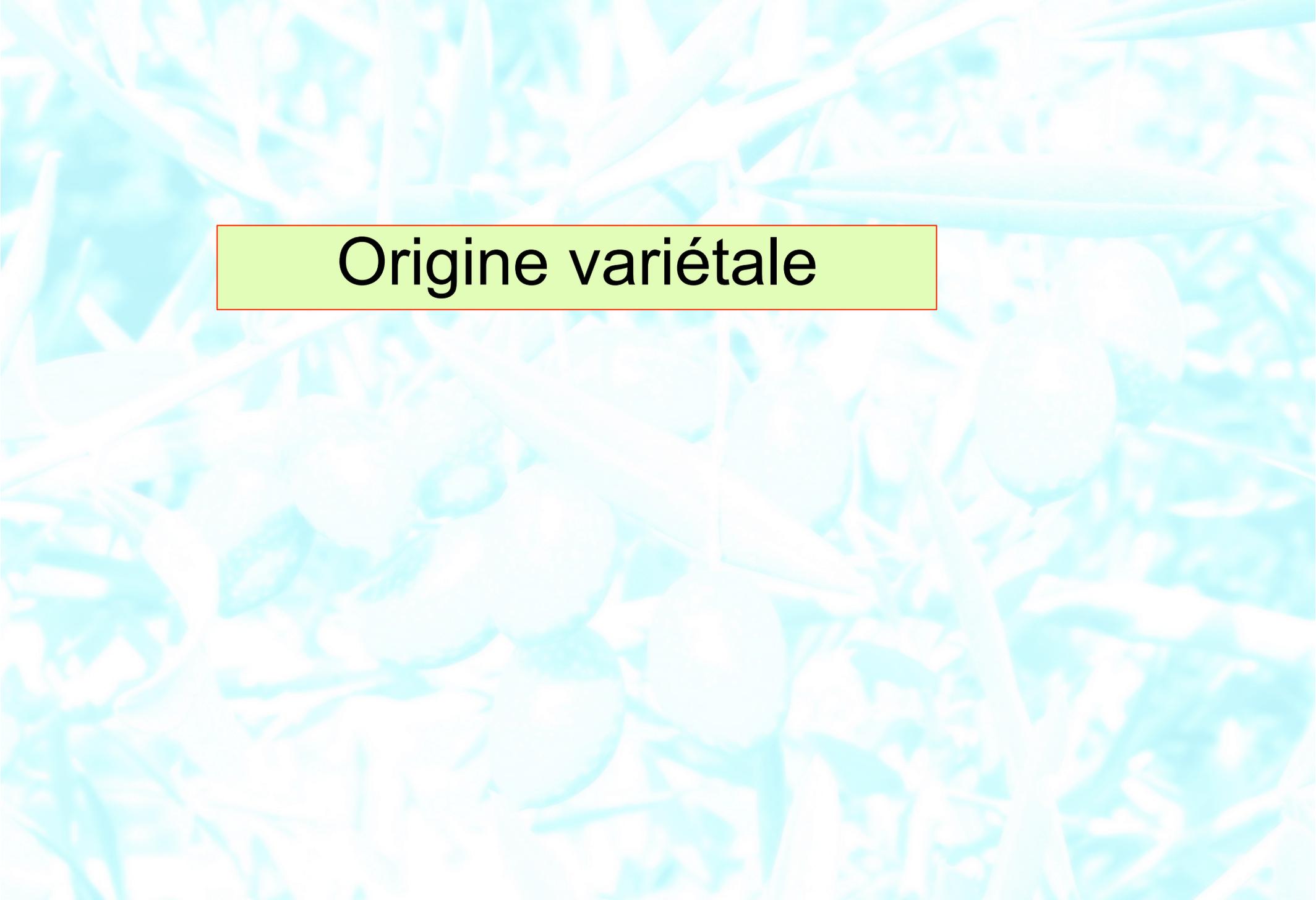


Base de données, fonctionnement, outils

- **4000 échantillons analysés**
- **50 Appellations d'Origine**
- **250 variétés**
- **30 pays**
- **Méthode de représentation pour produire des « morphogrammes » faciles à utiliser**
- **Traitement continu des données pour mise à jour des morphogrammes enregistrés et création de nouveaux**
- **Logiciel de recherche en cours d'élaboration**

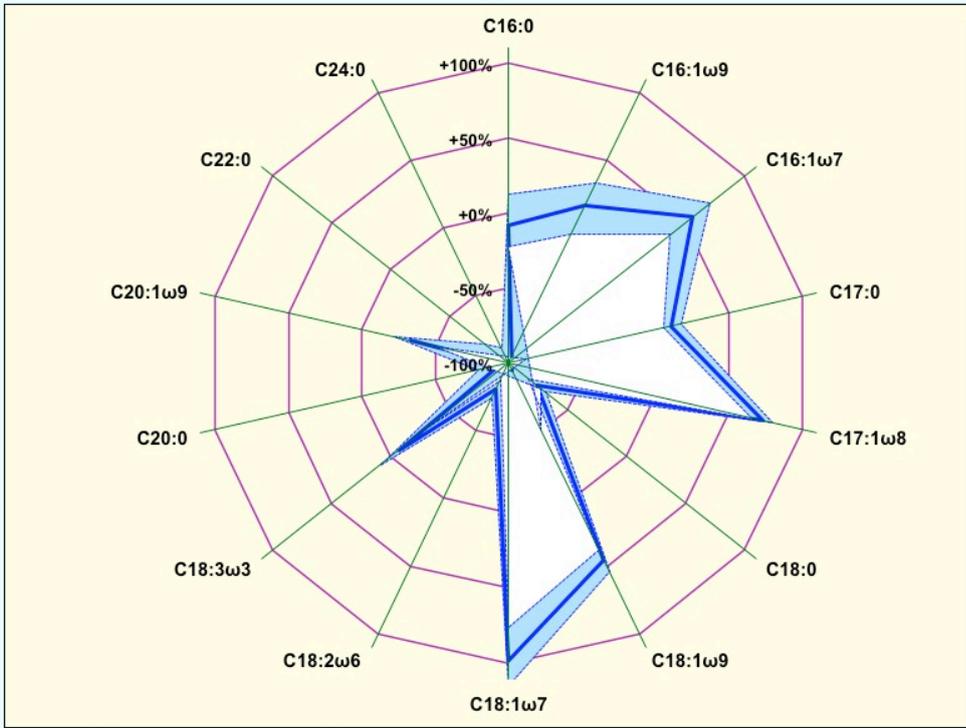
Applications:

- **Origine variétale**
- **Appellation d'Origine**
- **Origine géographique**
- **Variations annuelles et conditions de culture**
- **Discrimination d'échantillons**
- **Identification d'échantillons identiques**
- **Coupage avec d'autres huiles**

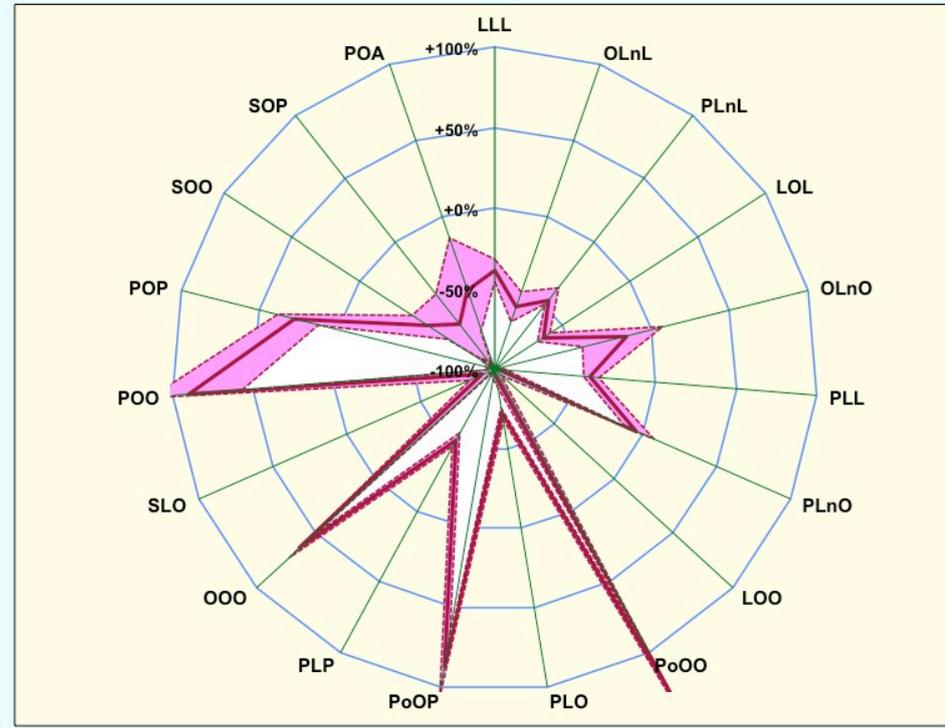
A background image of an olive branch with green olives and leaves, overlaid with a semi-transparent light blue filter. The text 'Origine variétale' is centered in a light green box with a thin red border.

Origine variétale

Origine variétale

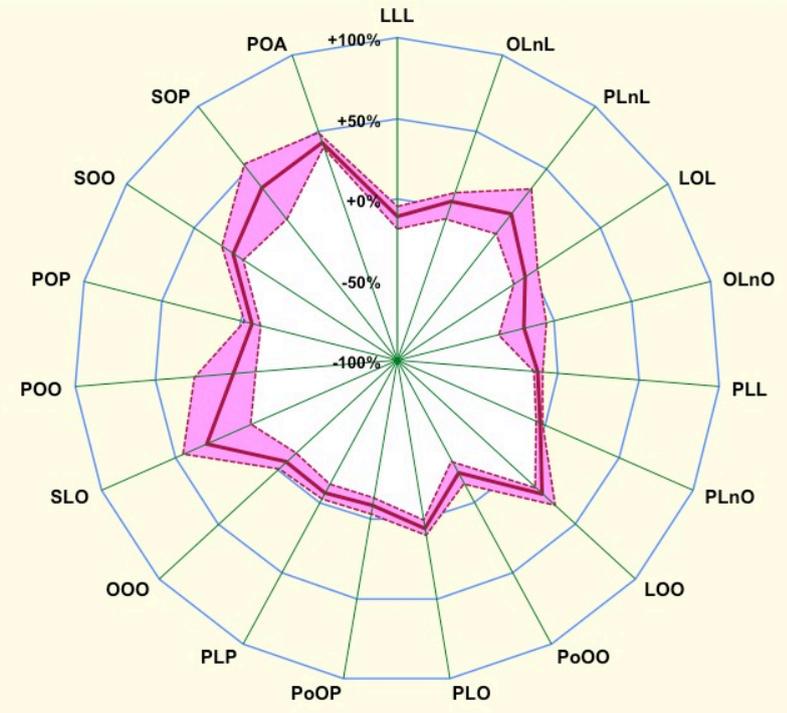
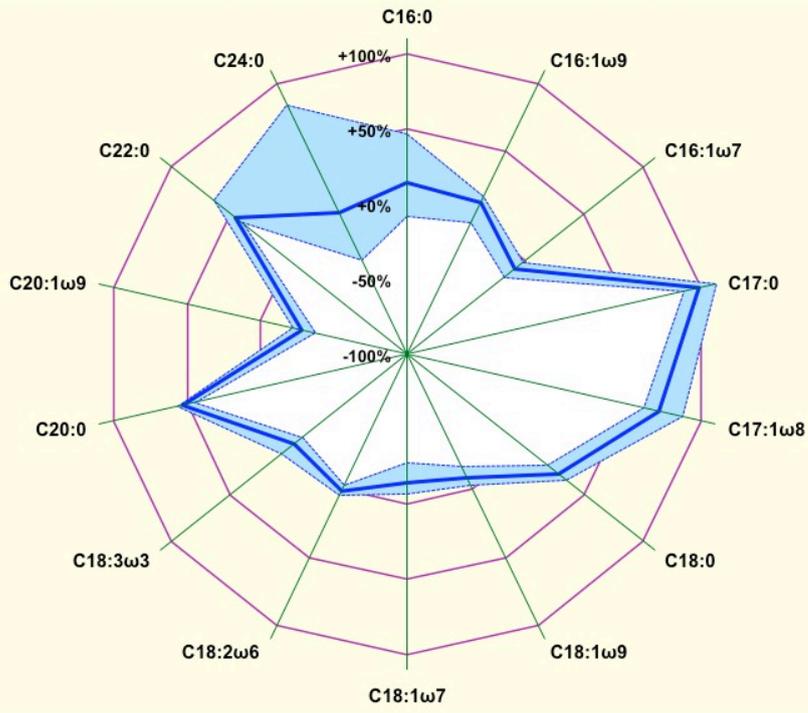
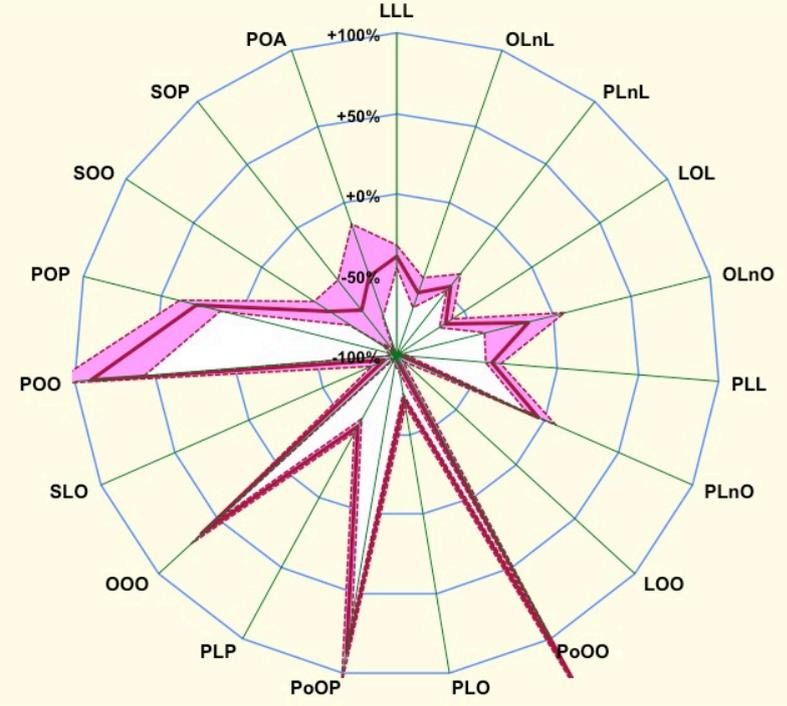
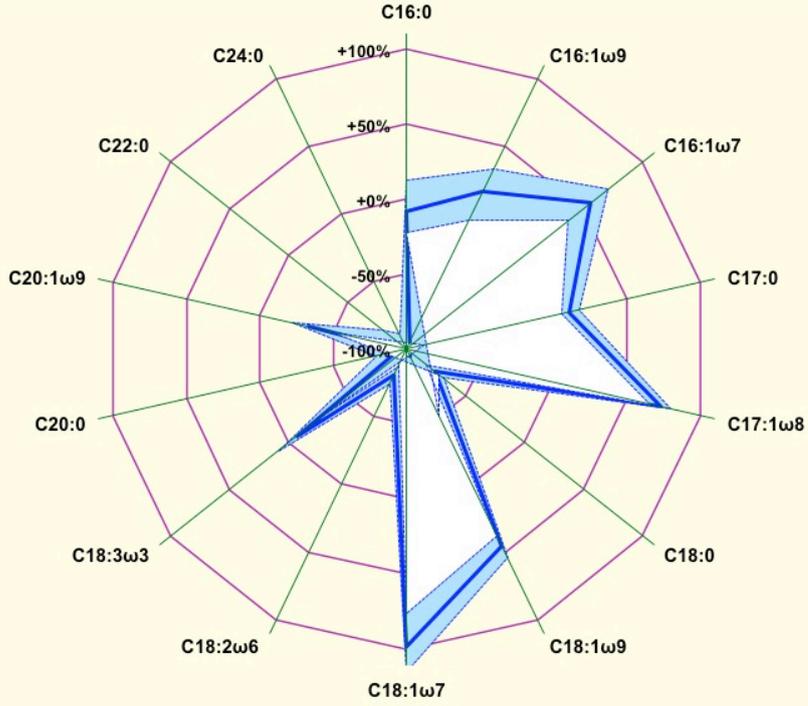


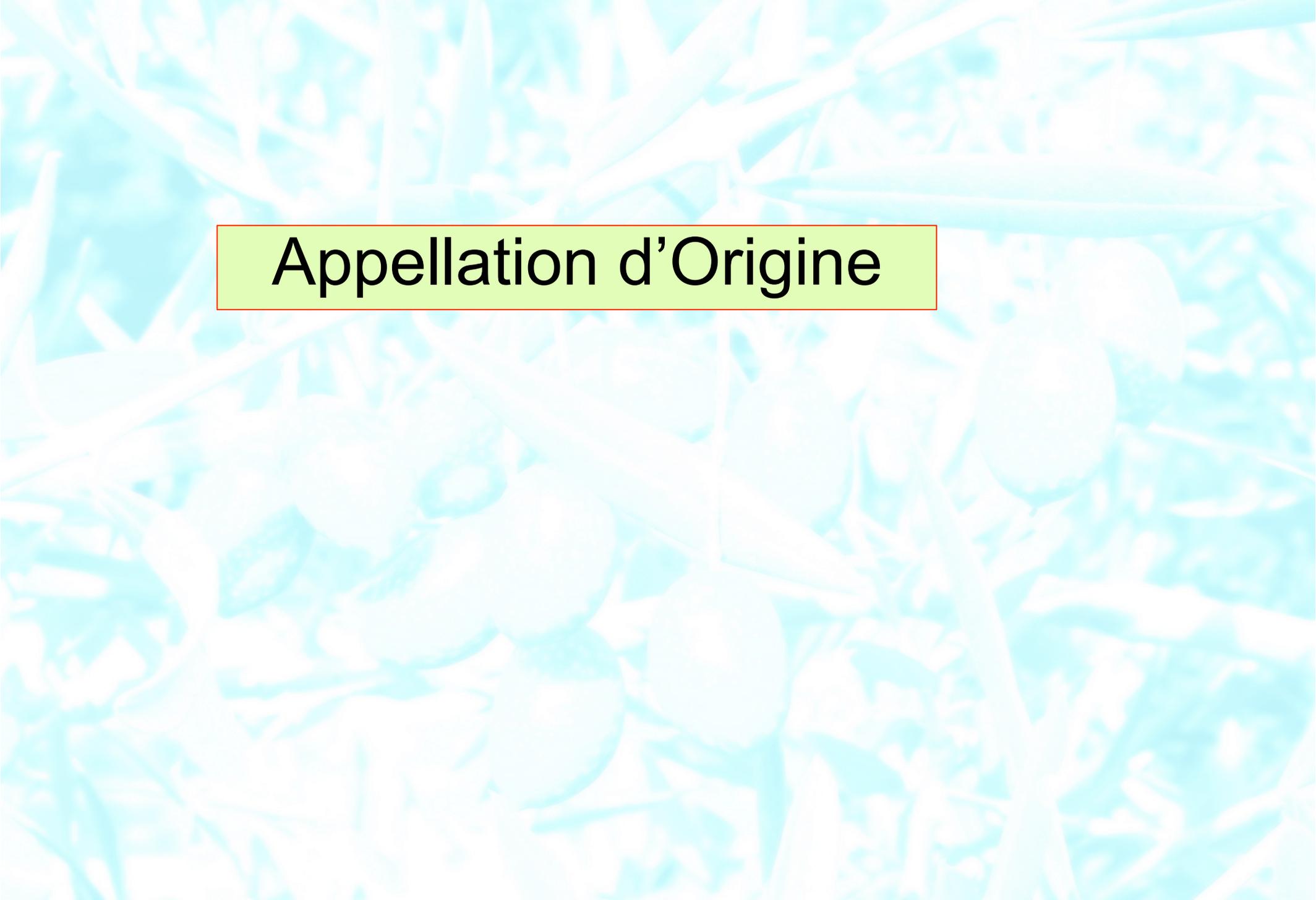
Acides gras



Triglycérides

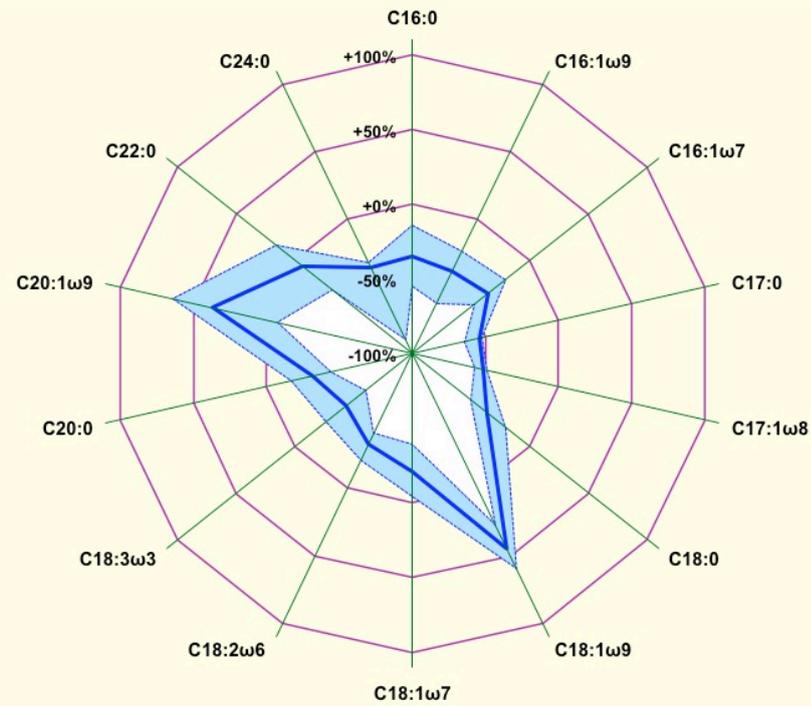
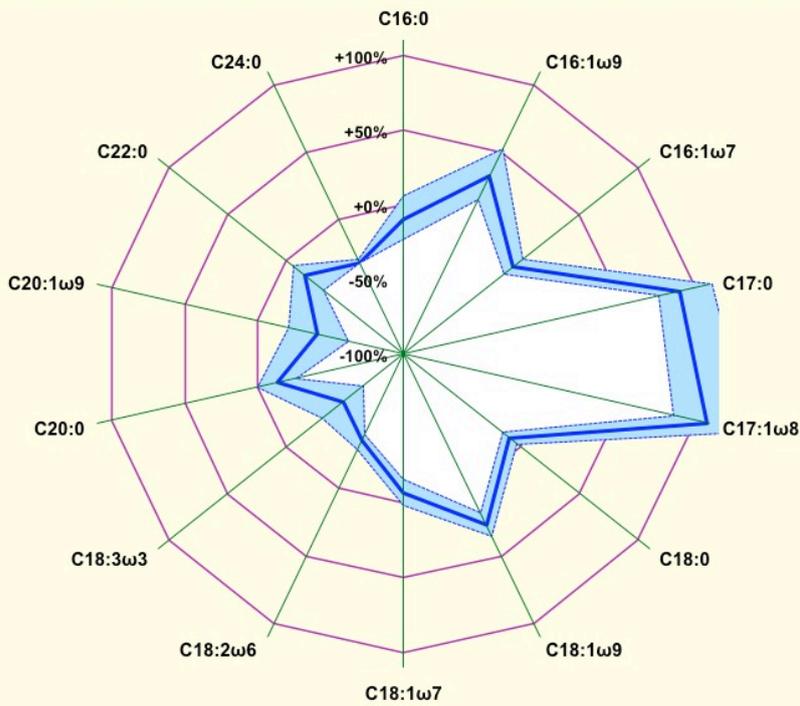
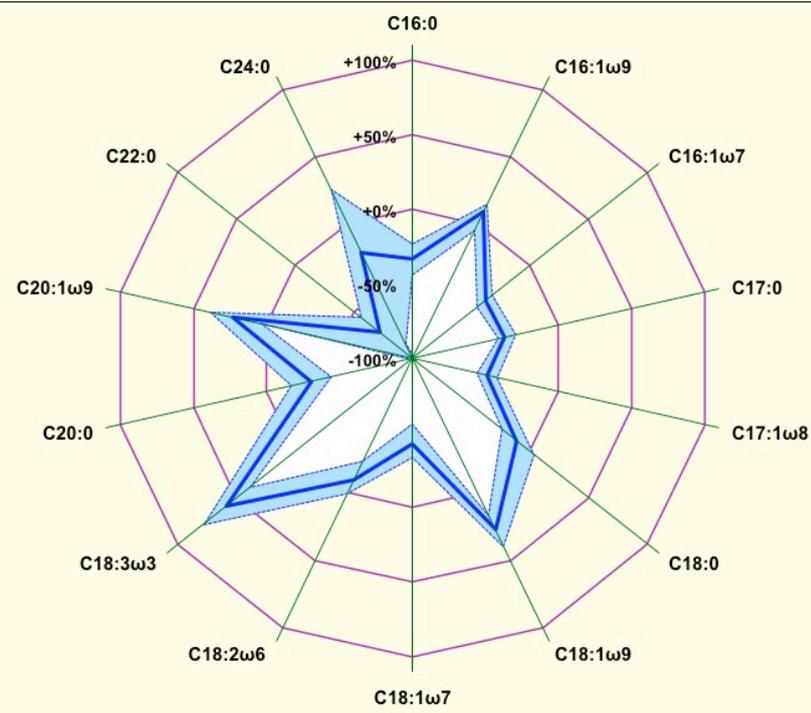
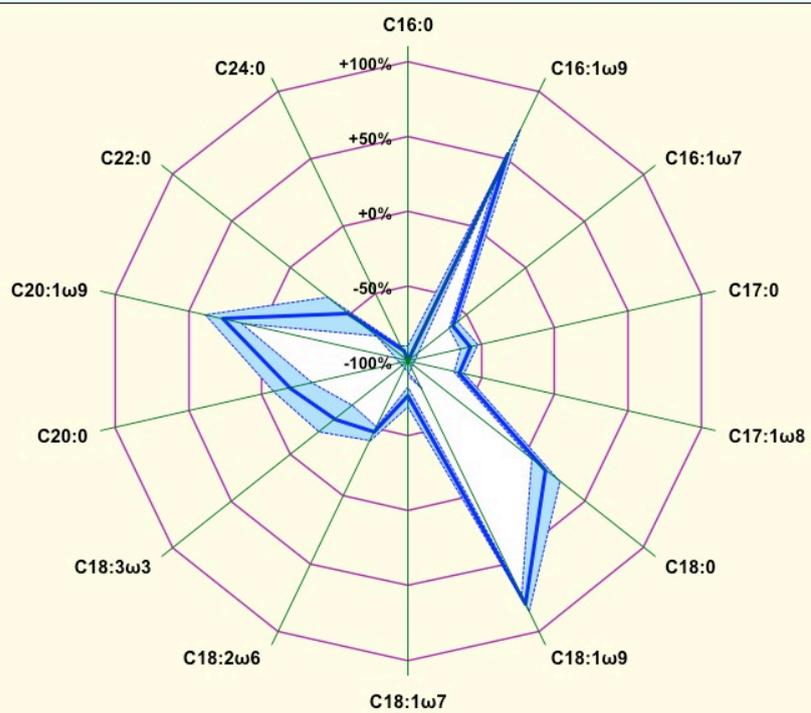
Origine variétale



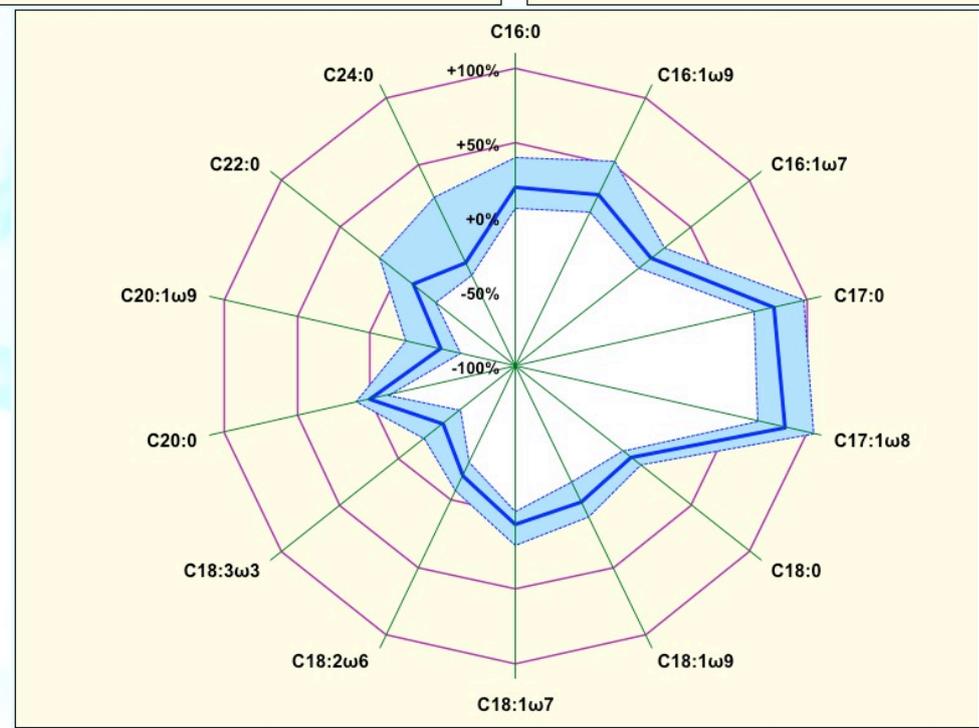
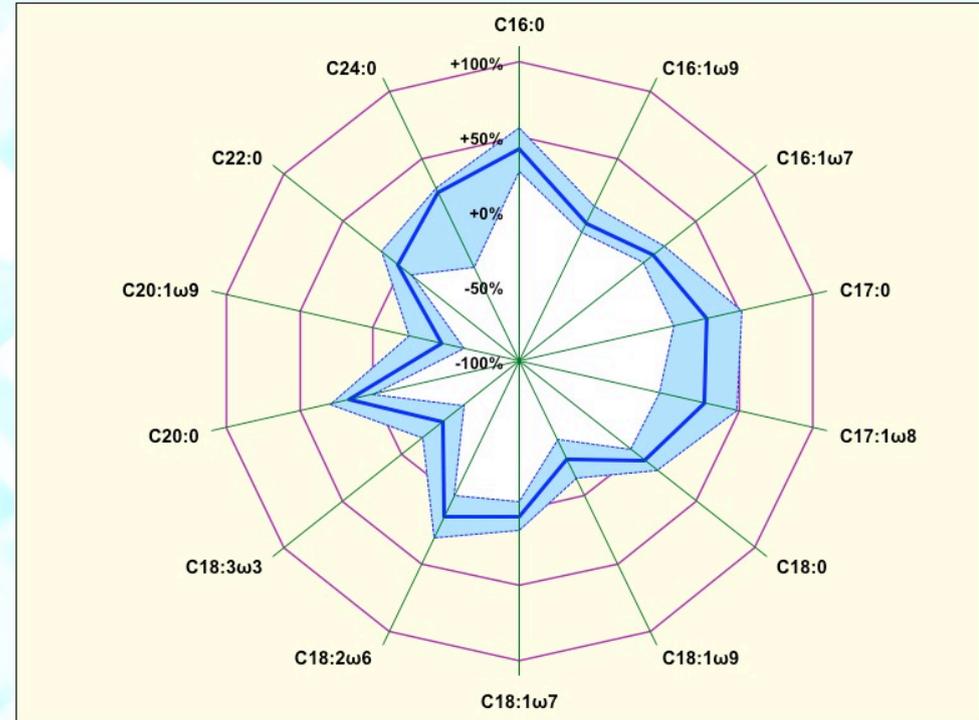
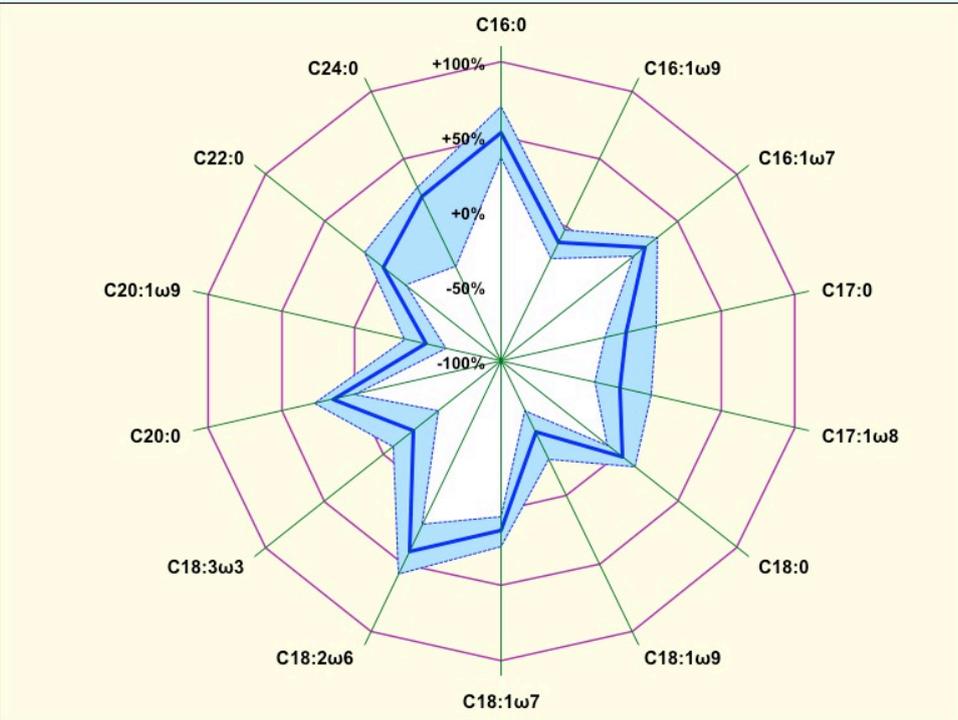
The background of the slide is a close-up photograph of an olive branch. The branch is covered with small, dark green olives and silvery-green leaves. The lighting is bright, creating a natural and fresh atmosphere. The text is centered on a light green rectangular box with a thin red border.

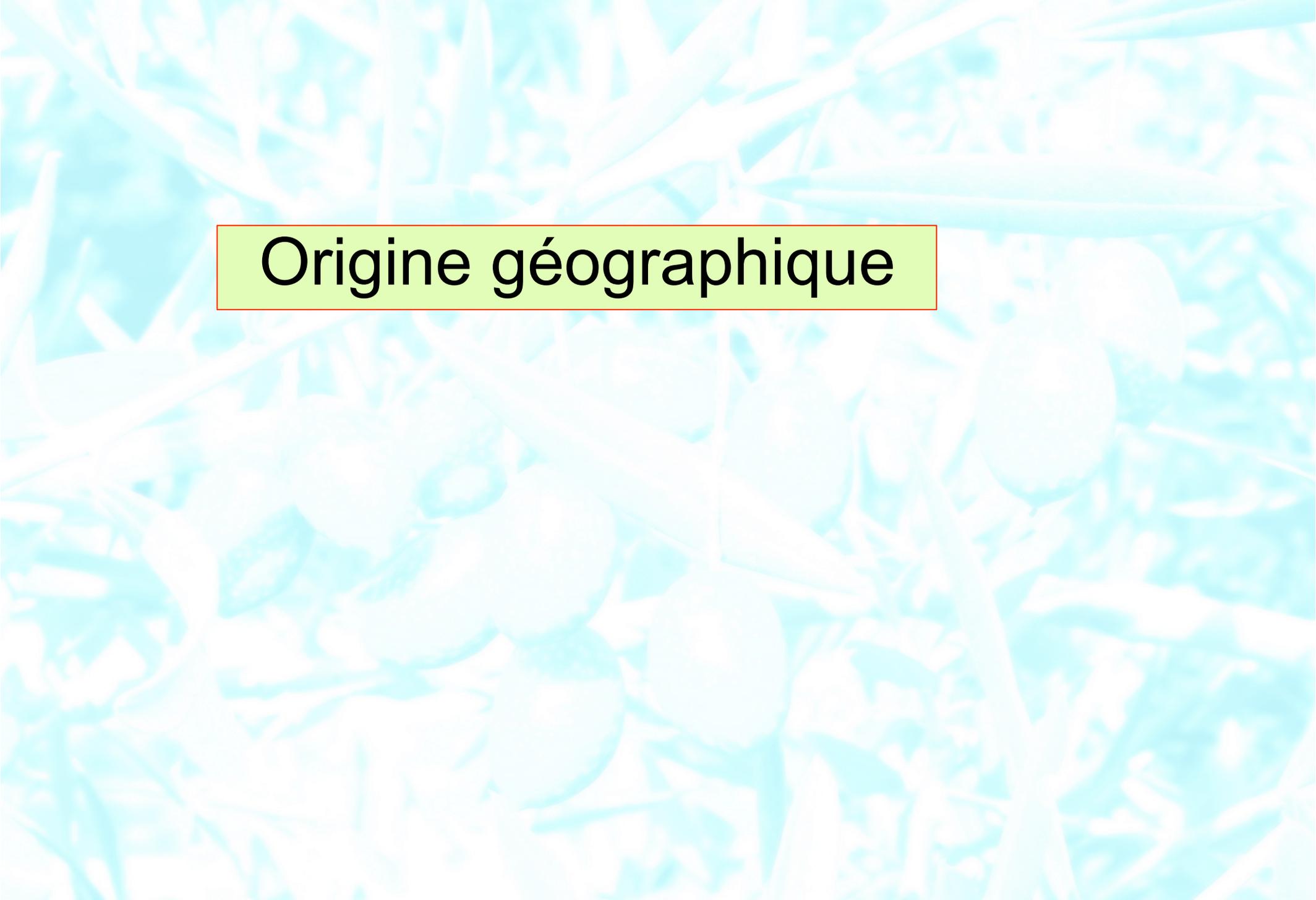
Appellation d'Origine

Appellation d'Origine



Appellation d'Origine

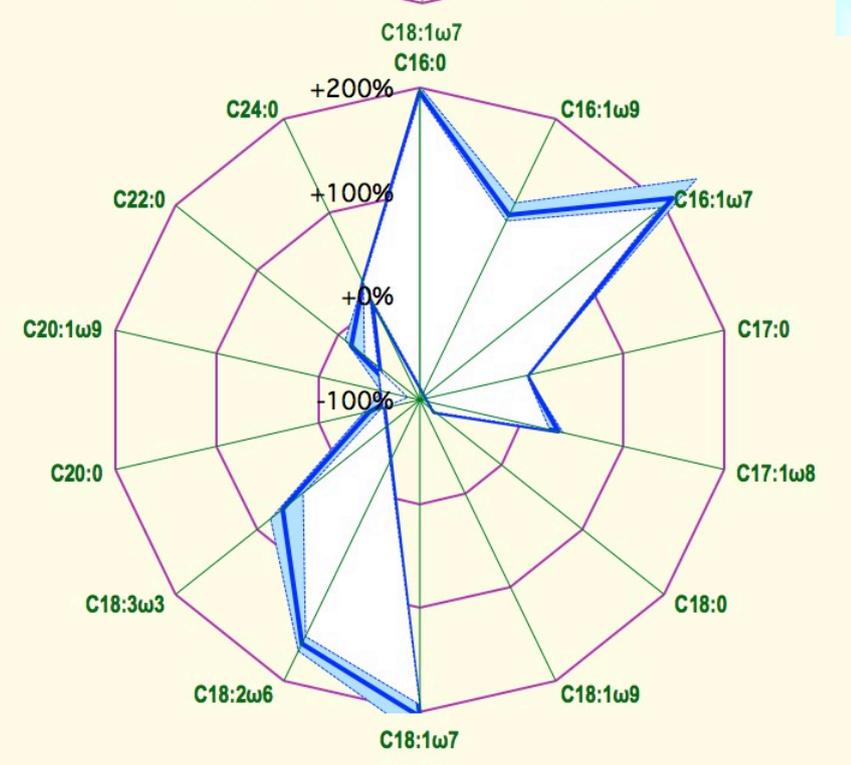
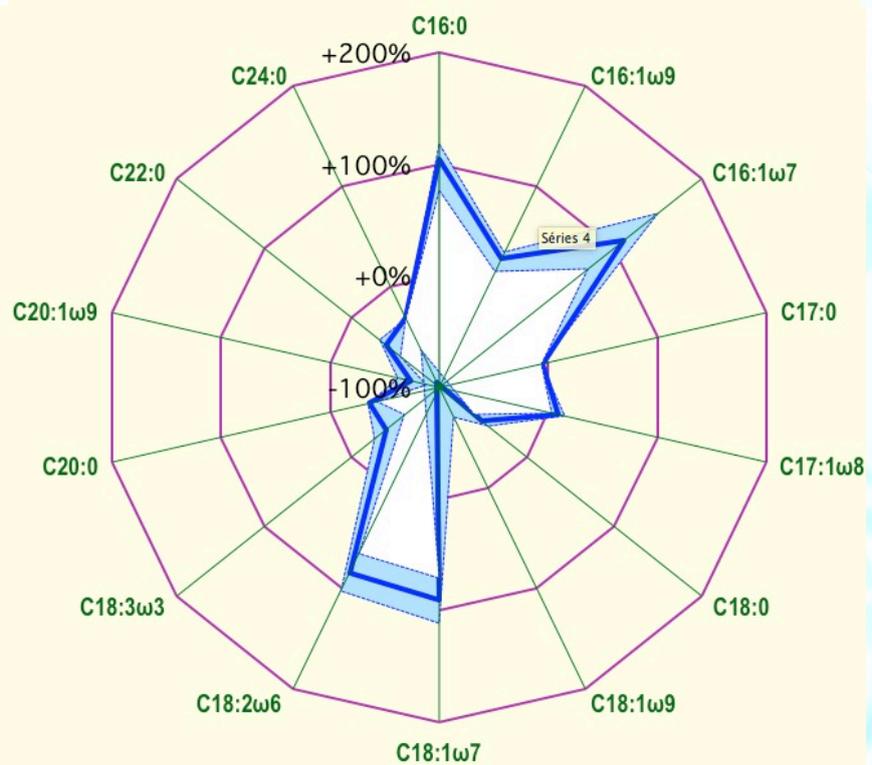
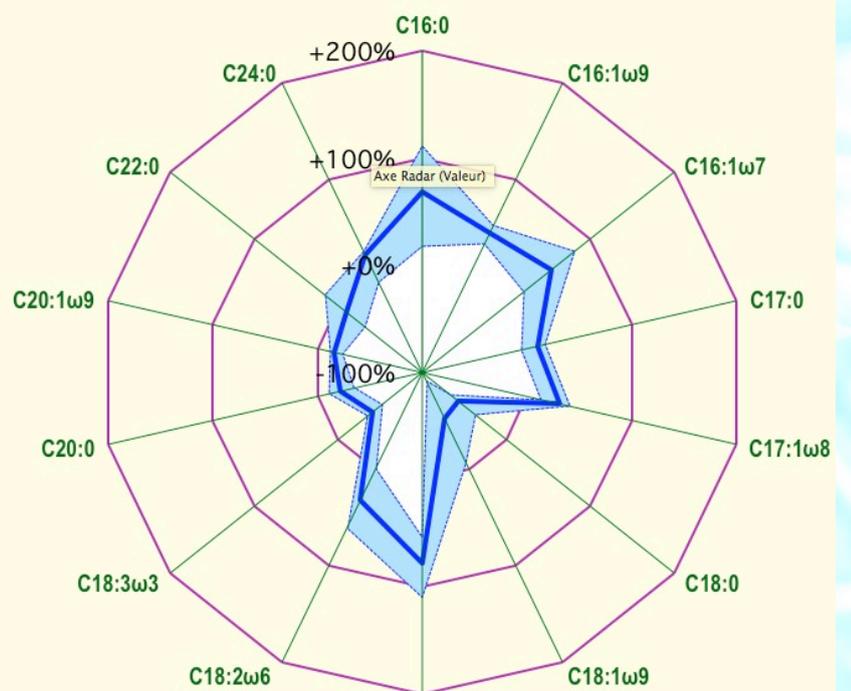
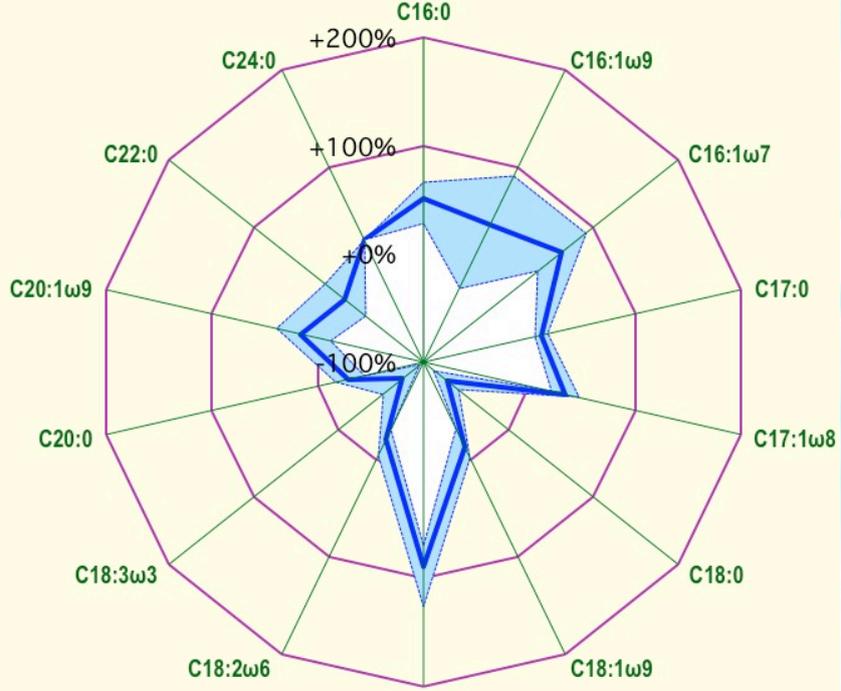


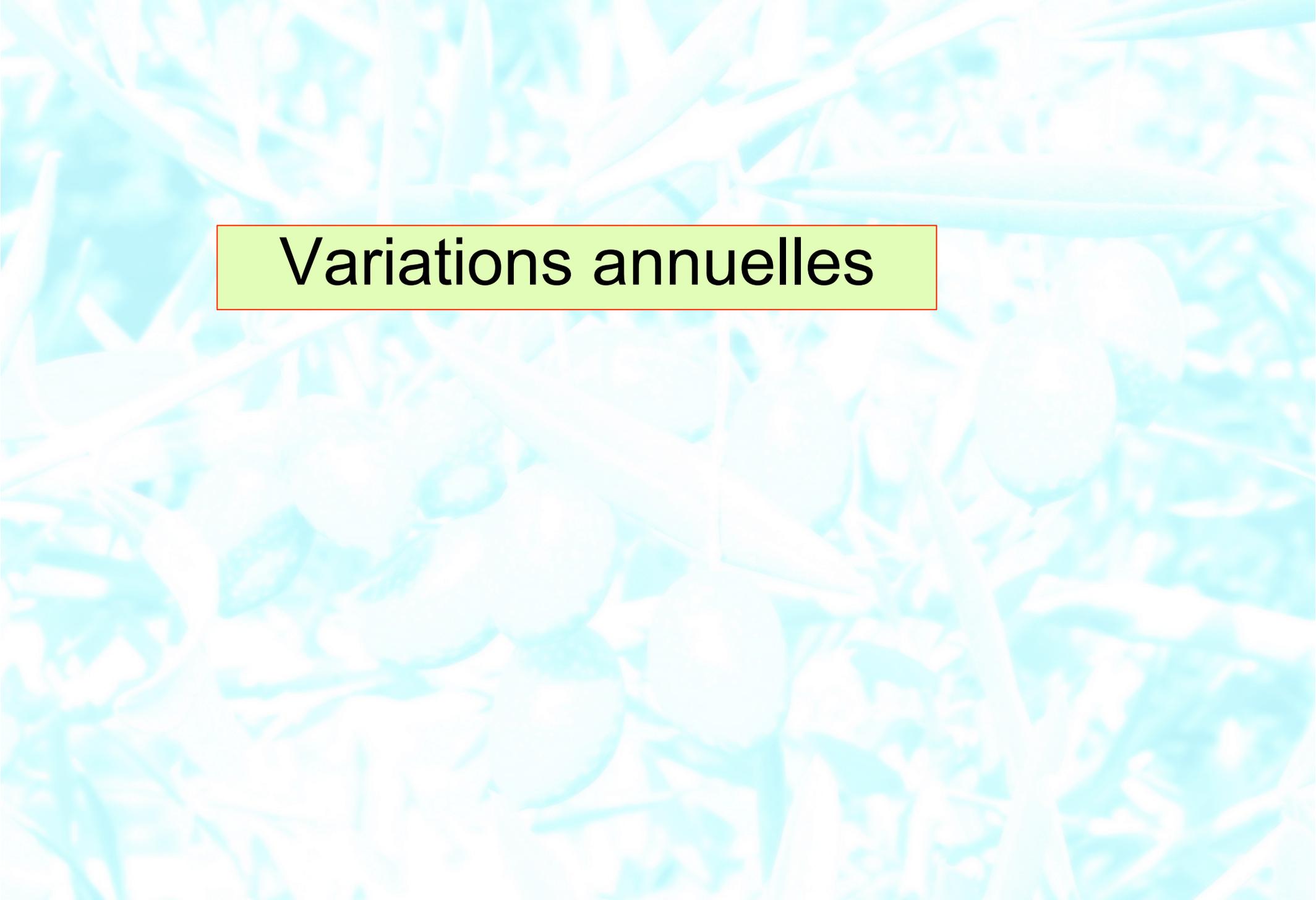
The background of the slide is a close-up photograph of an olive branch. The branch is covered with numerous small, round, green olives. The leaves are dark green and have a serrated edge. The lighting is bright, creating a natural and fresh appearance.

Origine géographique

Origine géographique

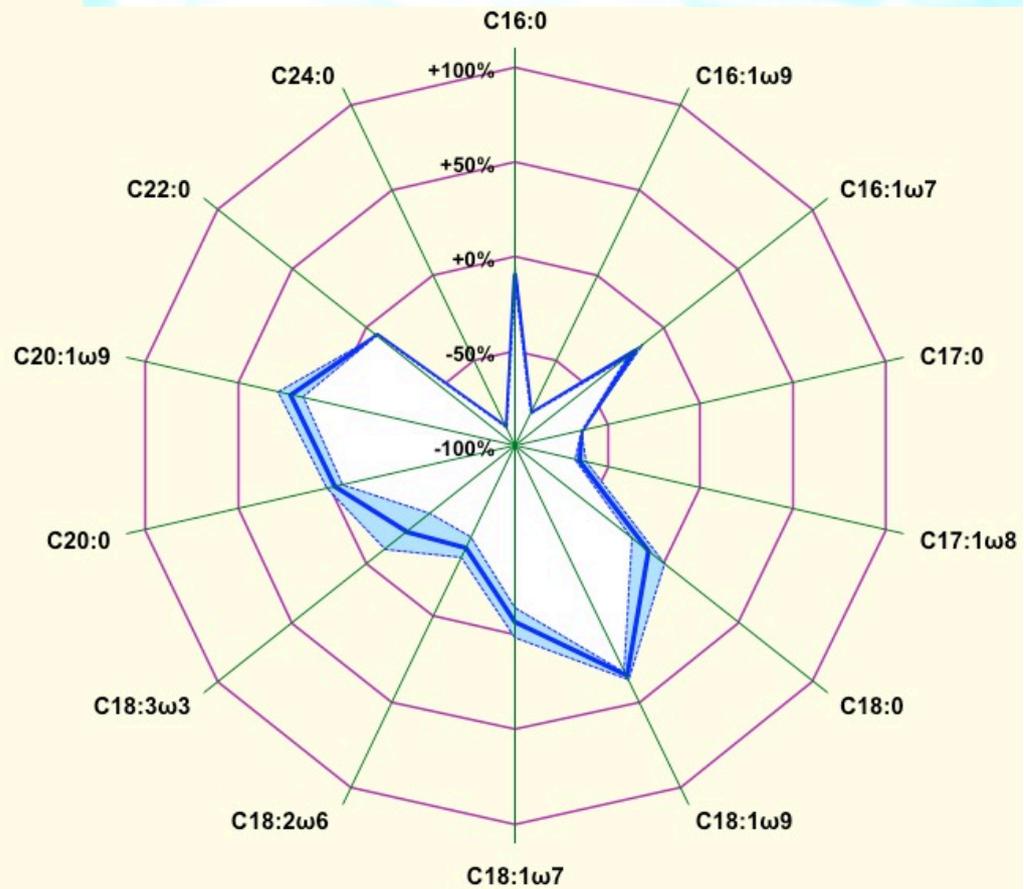
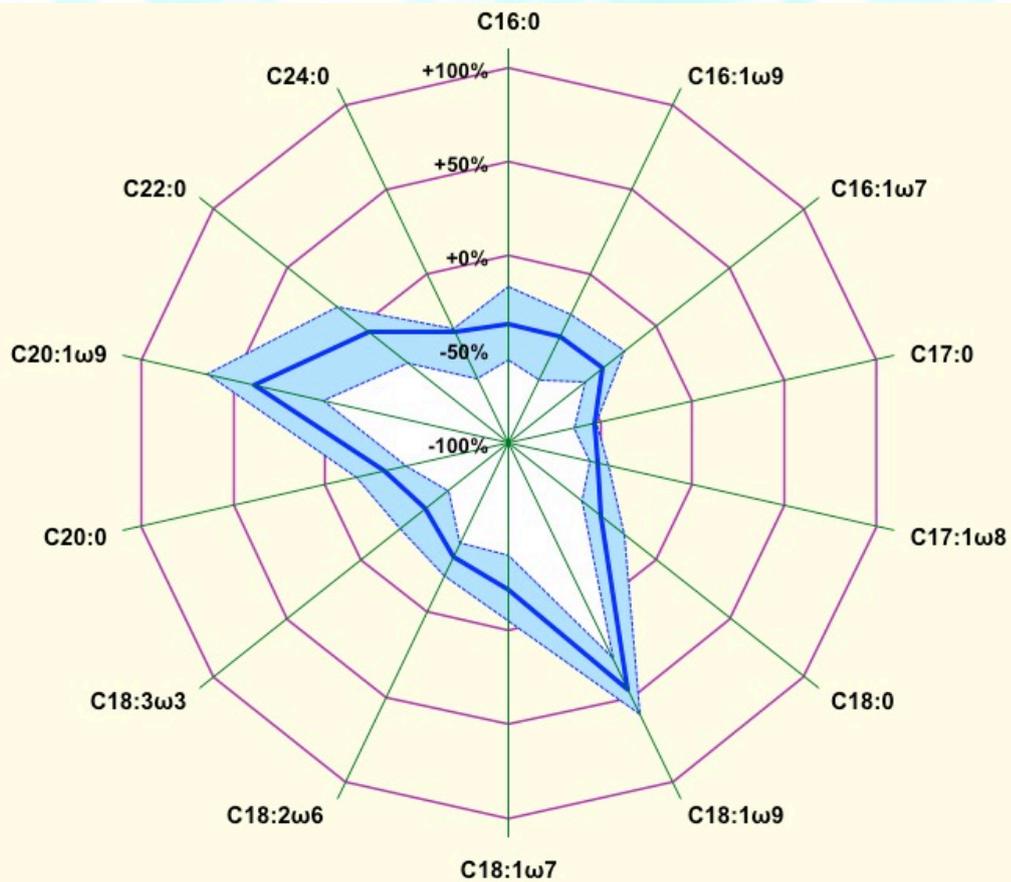
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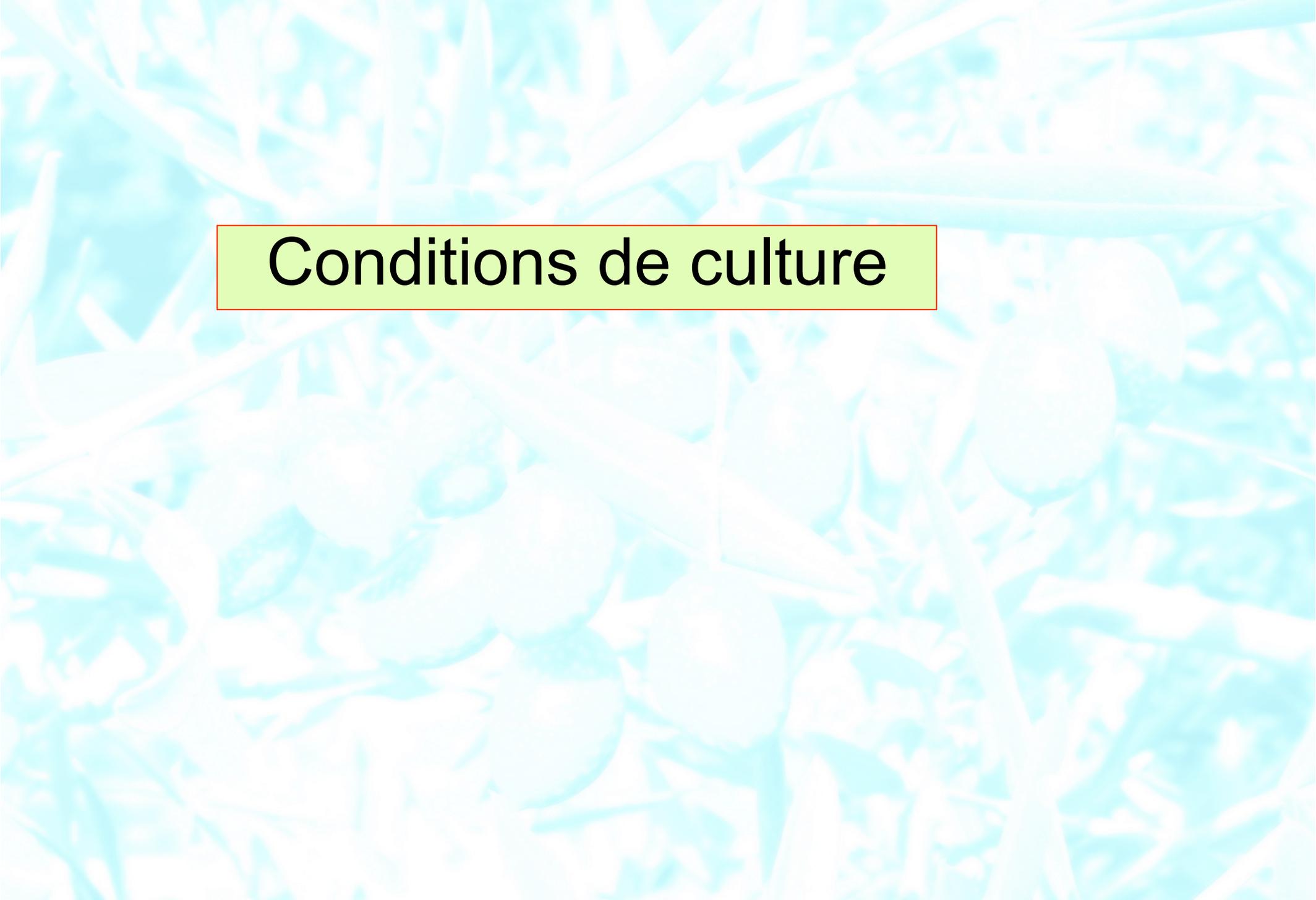


A close-up photograph of an olive branch with several ripe, dark olives. The background is a soft, out-of-focus green, suggesting a lush olive grove. The lighting is bright and natural, highlighting the texture of the olives and the leaves.

Variations annuelles

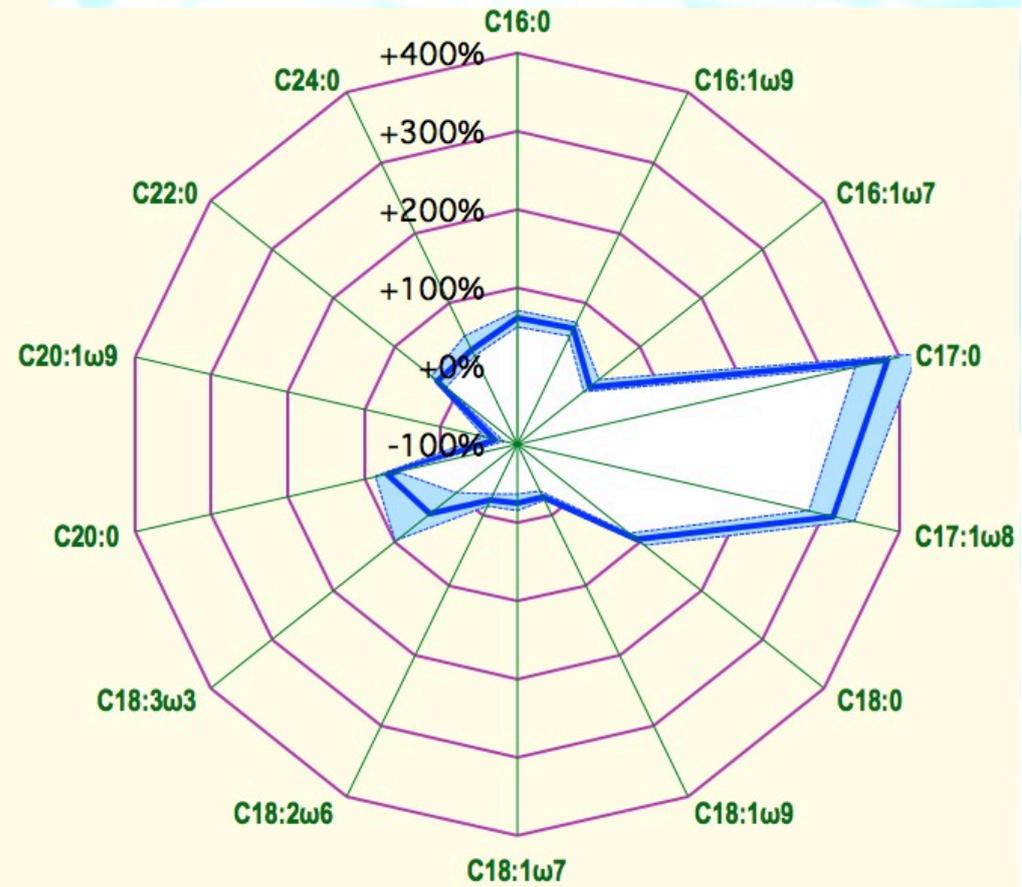
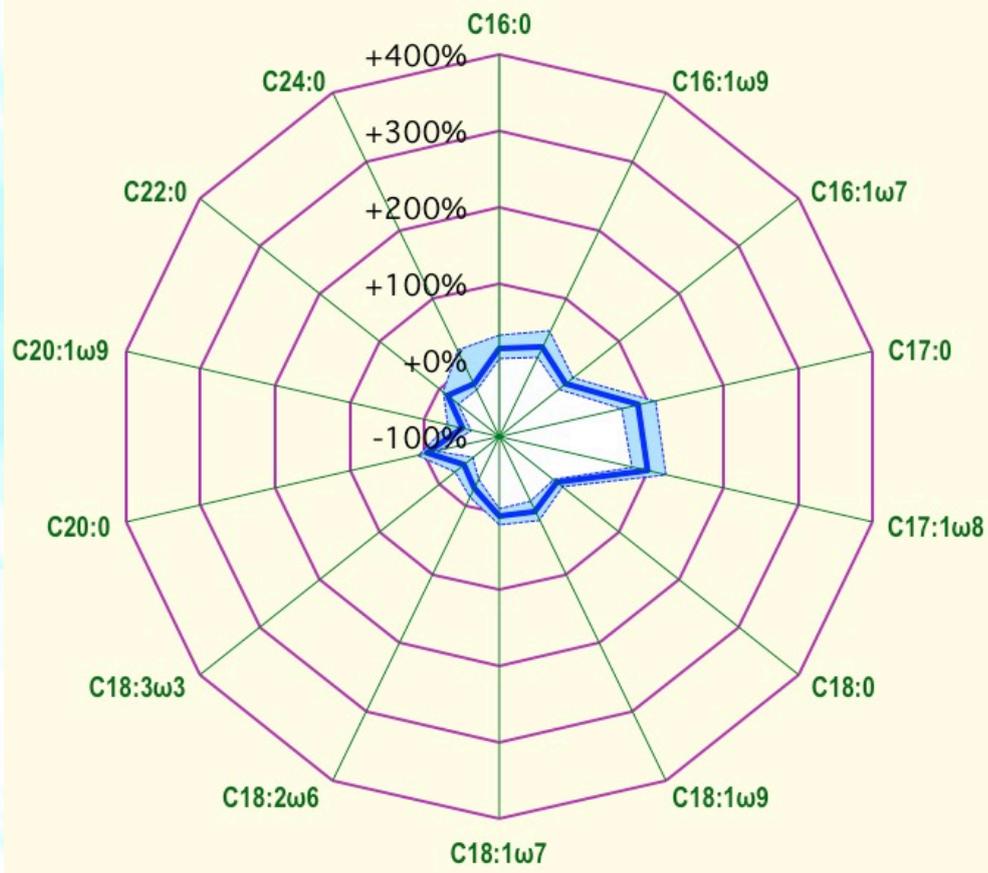
Variations annuelles



A close-up photograph of an olive branch with several green olives. The branch is the central focus, with many other branches and olives visible in the background, creating a dense, textured scene. The lighting is bright, highlighting the smooth surface of the olives and the sharp edges of the leaves.

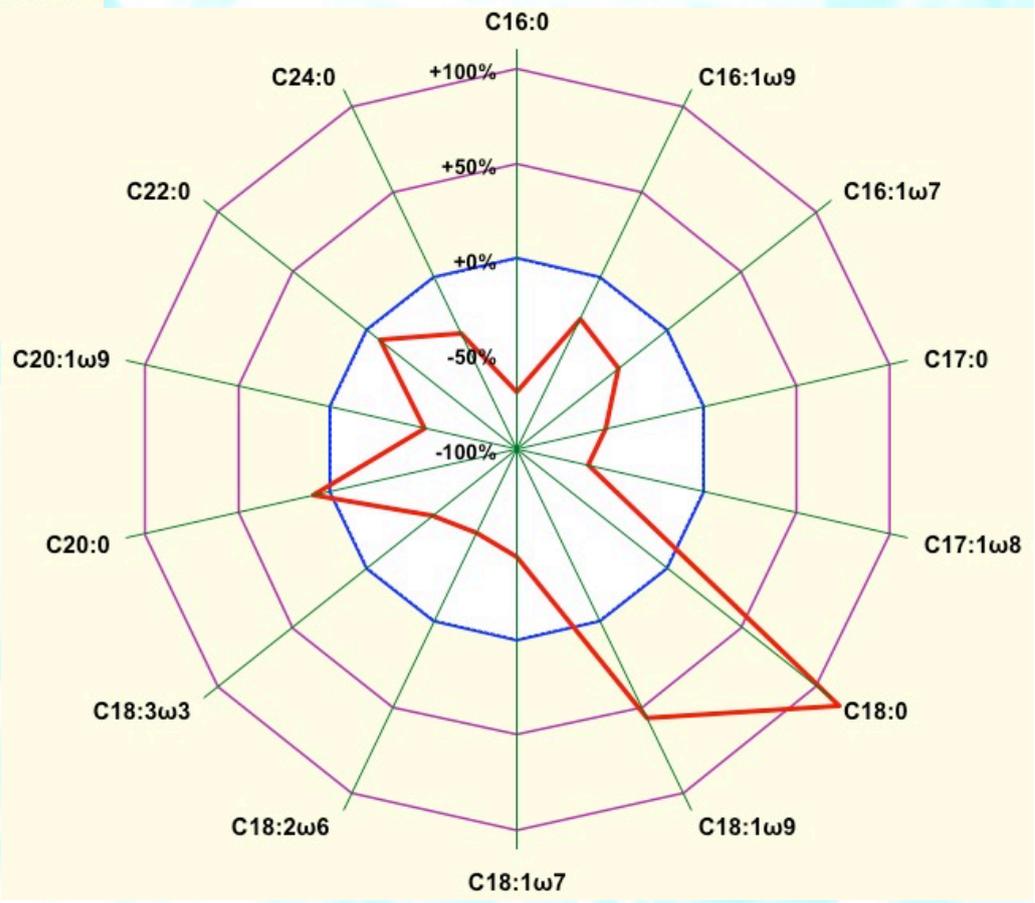
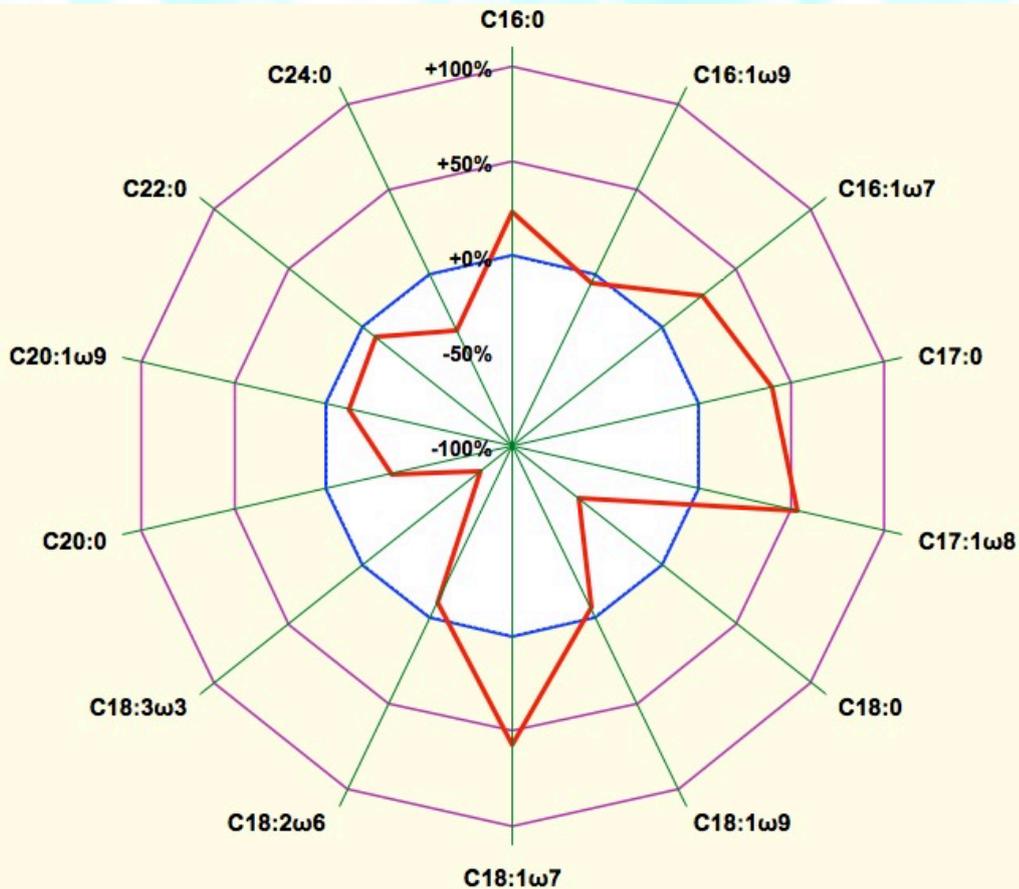
Conditions de culture

Conditions de culture

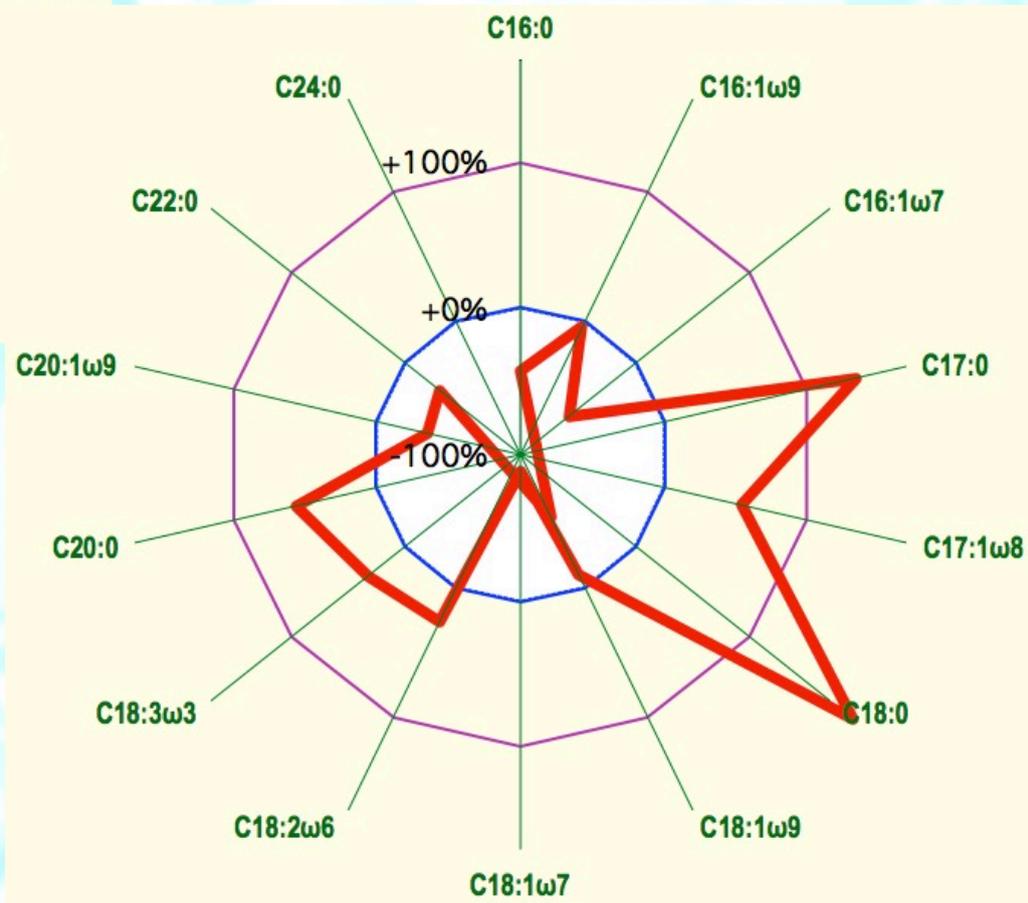
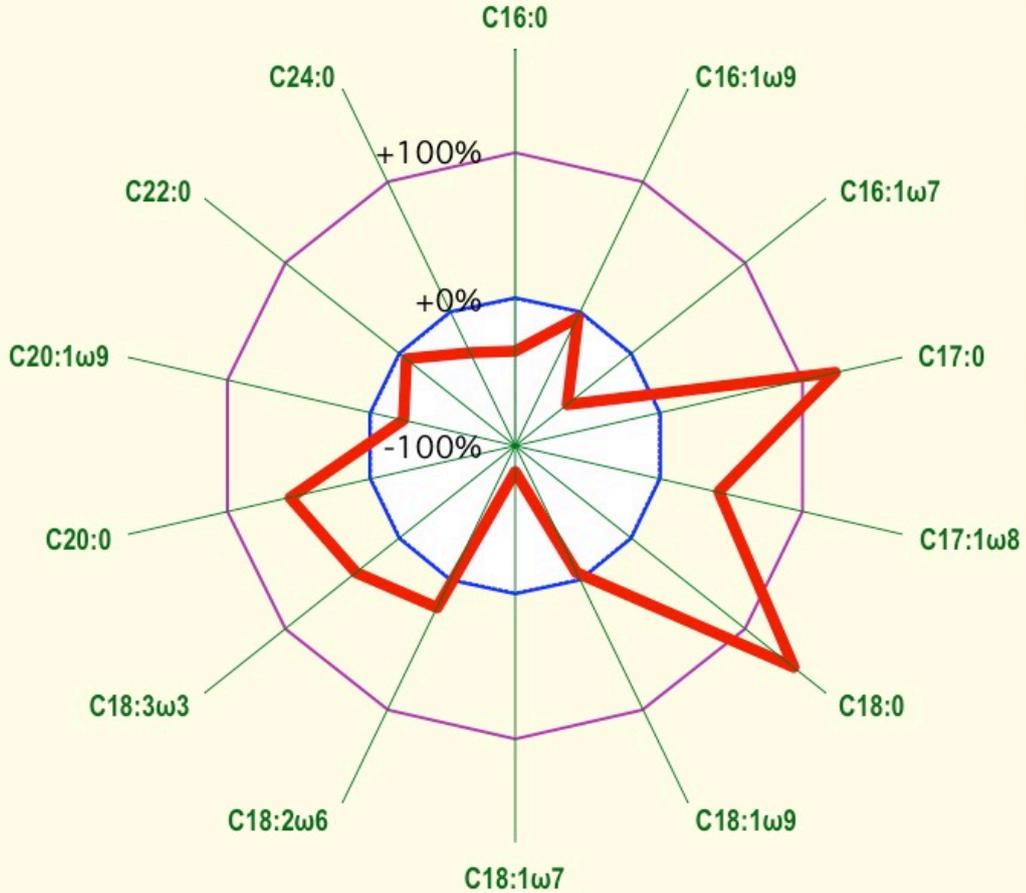


**Discrimination d'échantillons:
recherche de similitudes ou
de différences**

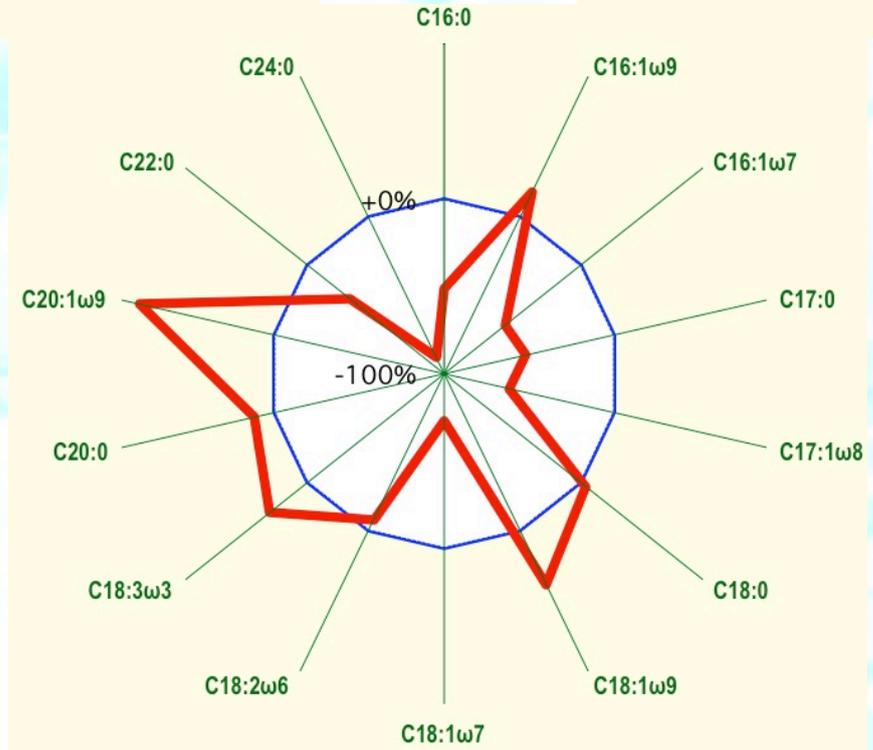
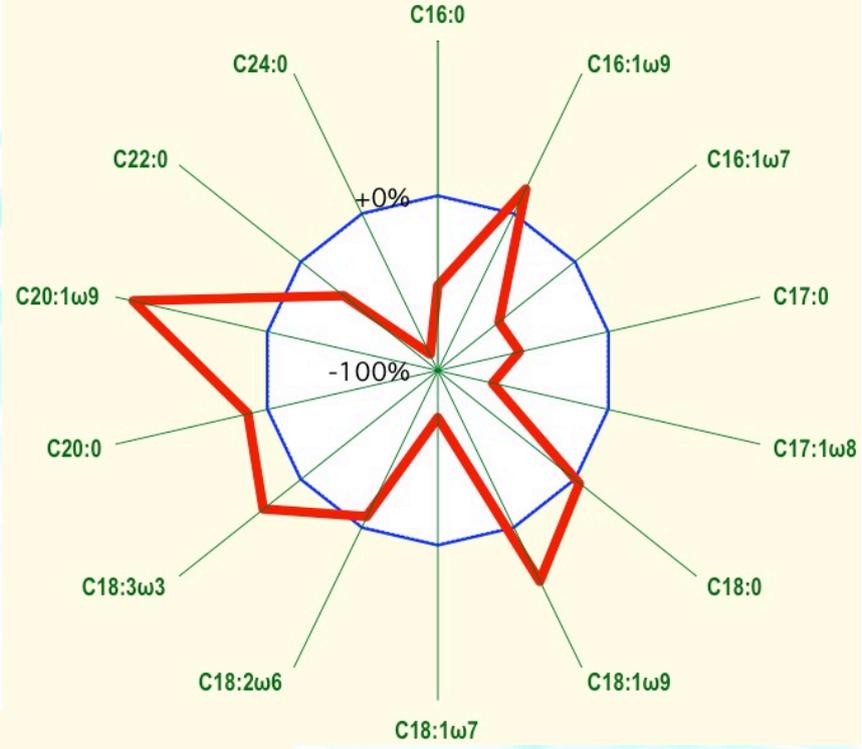
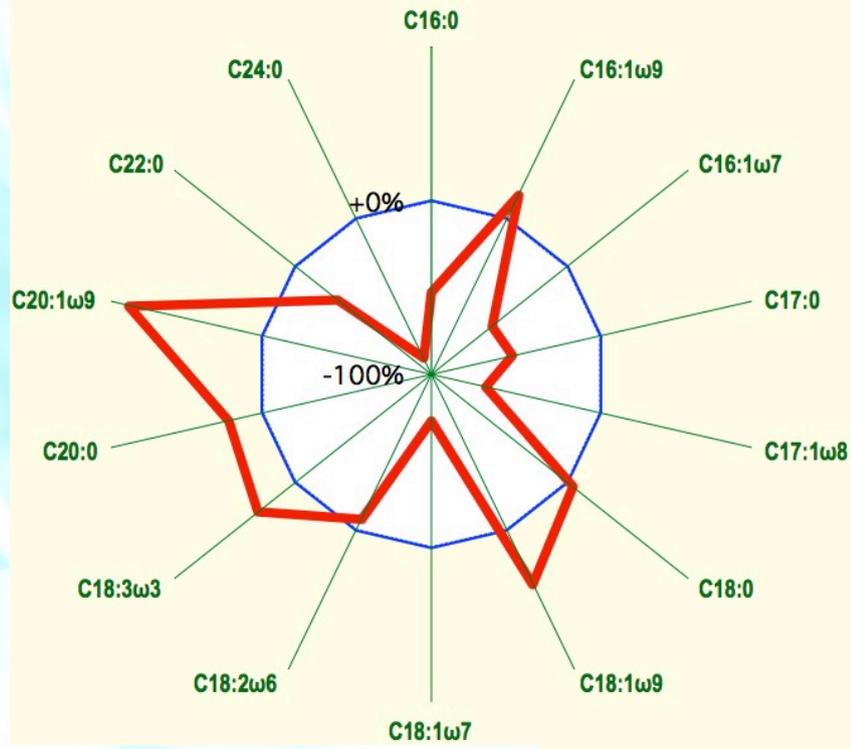
Discrimination d'échantillons

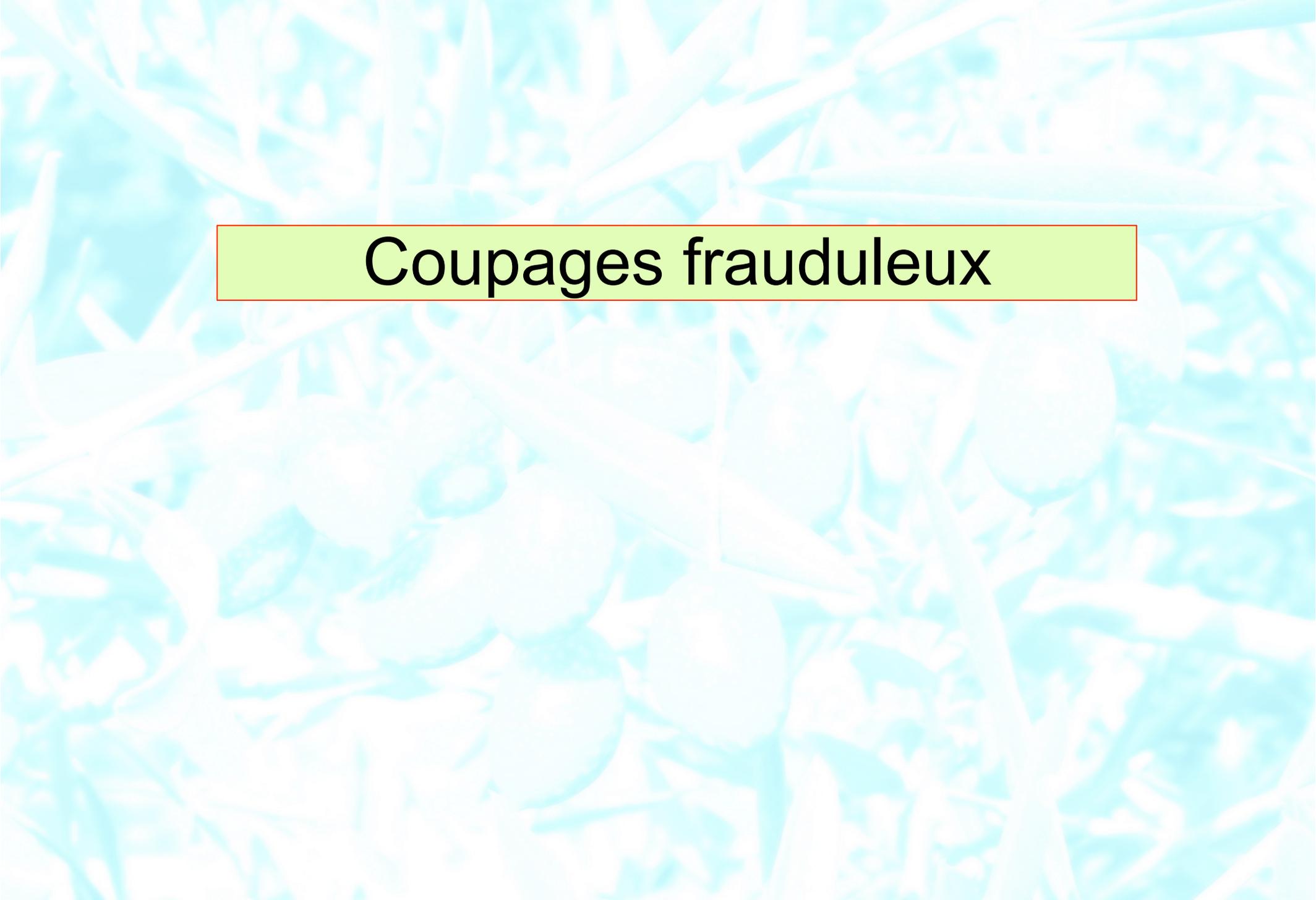


Discrimination d'échantillons



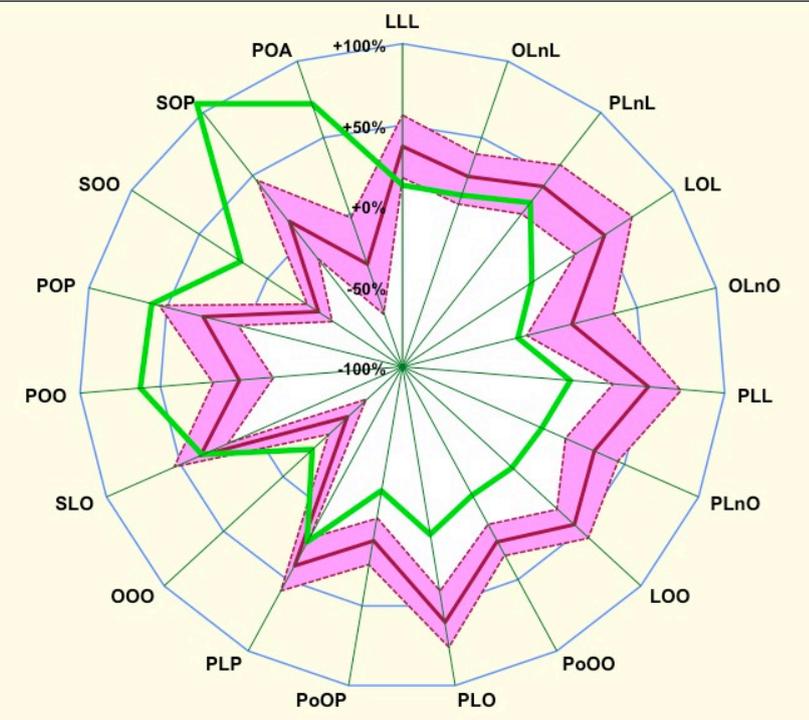
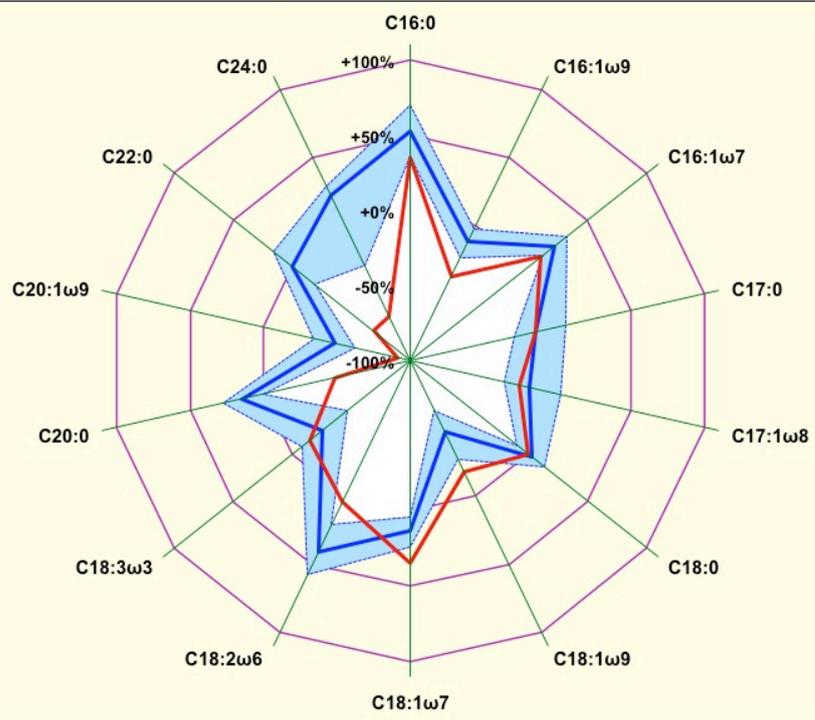
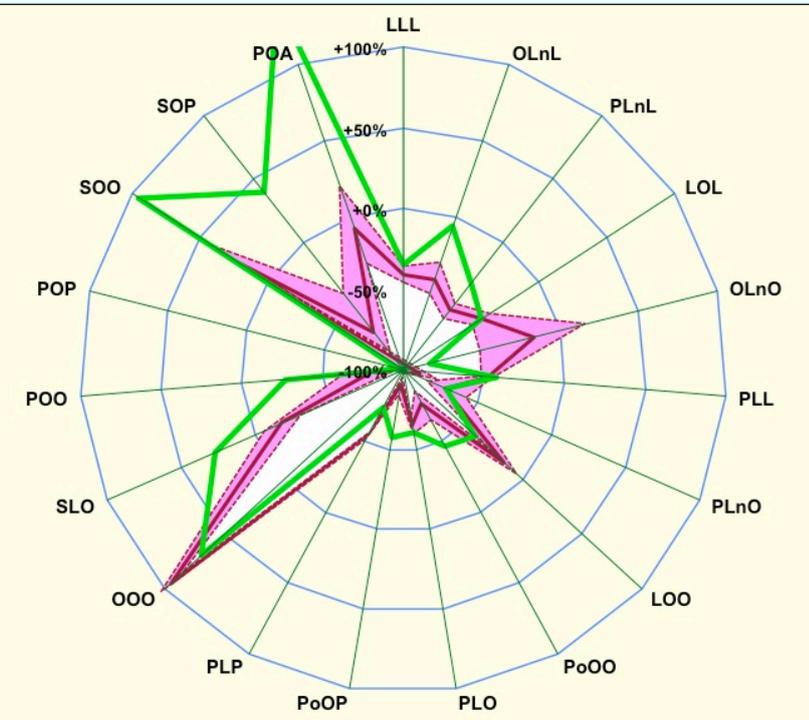
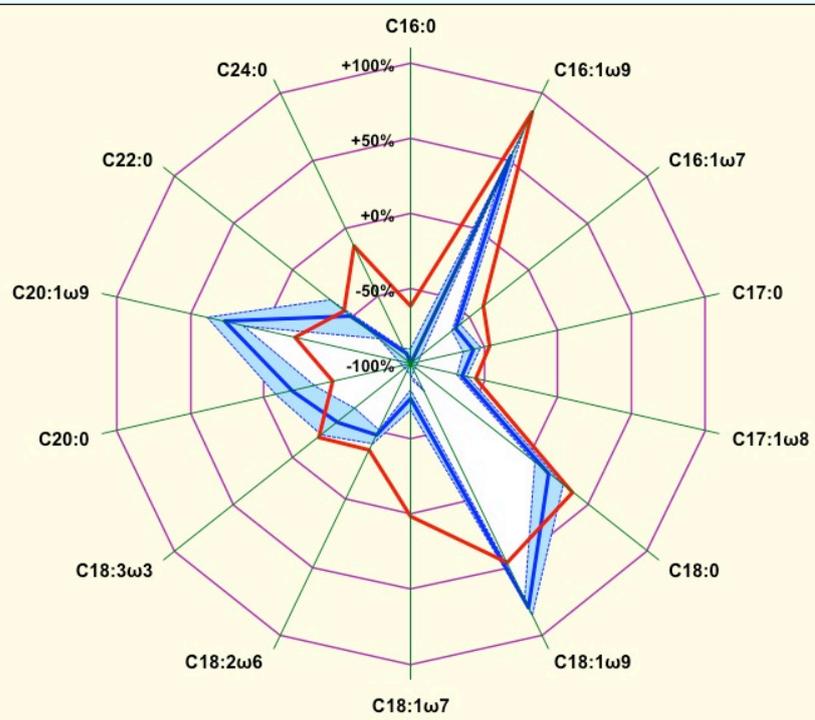
Échantillons similaires



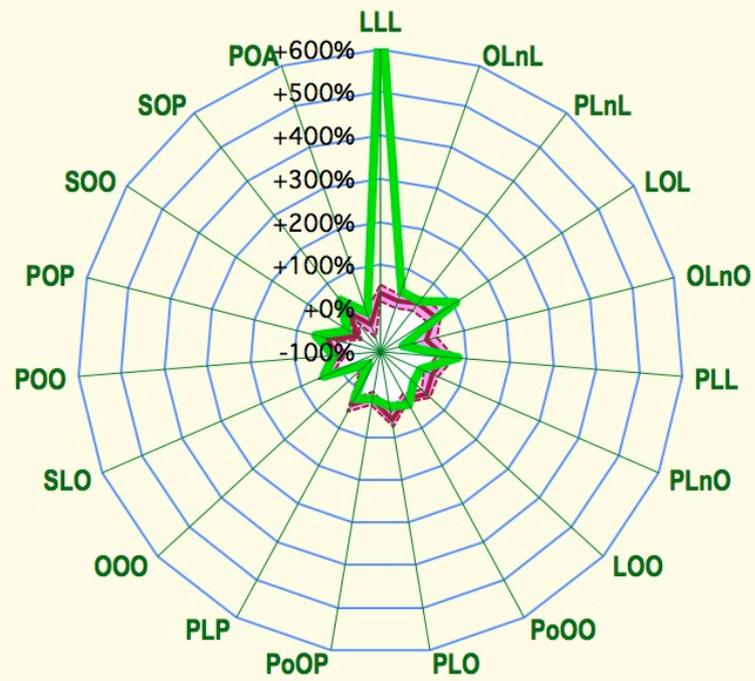
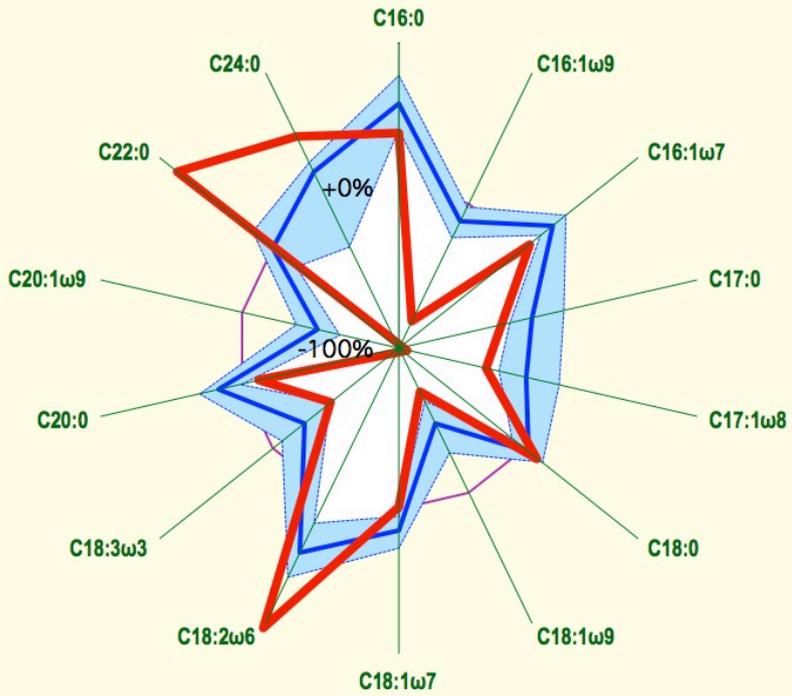
The background of the slide is a close-up photograph of an olive branch. The branch is covered with small, dark green olives and silvery-green, lanceolate leaves. The lighting is bright, creating a high-contrast scene with some highlights on the leaves and olives.

Coupages frauduleux

Coupages d'origine



Coupages avec autre huile



Merci de votre attention



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