CSIC’s strategies in the promotion and transfer of agro-food technologies

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SPANISH NATIONAL RESEARCH COUNCIL (CSIC)
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The largest public research institution in Spain

120 Research Institutes/Centre
67 CSIC centres
53 Joint centres
CSIC’s multidisciplinary approach

- Human and Social Sciences
- Biology and Biomedicine
- Natural Resources
- Agricultural Sciences
- Physics Science and Technology
- Chemistry Science and Technology
- Food Science and Technology
- Materials Science and Technology
Agricultural sector: new plant varieties of almond and apricot

- The program started in CEBAS (Murcia, south-east of Spain) in the 90s.
- Since 2000, 9 new plant varieties of apricot and 4 of almond has been protected.
- In Spain there are more than 5,000 hectares of CSIC’s apricot and more than 30,000 hectares of CSIC’s almonds.

ADVANTAGES OF CSIC PLANT VARIETIES

- High resistance to major fungal diseases (Sharka - plum pox virus).
- Almond (PENTA-CEBAS) is ideal for cold climates as it ripens later. Prevent freeze fruit.
Agricultural sector: recovery of native varieties

- Location of centenary vineyards that would have survived the phylloxera plague that devastated Europe in 1870.
- Recovery of more than 30 lost plants varieties of vineyards.
- Selection of the varieties that best tolerate pests to avoid phytosanitary treatments with pesticides.
- Production of new wines in the north-west of Spain.
Promotion of technologies of the agricultural sector

CSIC is promoting its plant varieties in Fruitattraction since 2014.

Fruitattraction in held in Madrid every year in autumn.

**Internationalization of CSIC’s plant varieties:** license agreement for the exploitation of the plants varieties with Greek, Italian, Argentine, South African, Turkish and Chilean nurseries.
License agreement conditions for plant varieties

**IN SPAIN**
Scope: Non-exclusivity *(Plant varieties do not request further development and investments)*
Period of time: 3 years maximum *(contract renovation depending on the results)*
Down-payments: 1000-2000€
Royalties: fix amount per plant sold *(0.50€ for almond/1.20€ - 1.50€ for apricot)* *(Accurate prizes because we know the national market prizes)*

**IN A FOREIGN COUNTRY**
Scope: Non-exclusivity
Period of time: 2-3 years
Down-payments: 1.500-3.000€ *(depending on the number of plants)*
Royalties: 2-4% on net sales *(We do not know the market prizes of other countries)*
Baby eels made with surimi, fish proteins that show the shape and the taste of a baby eel. They are delicious without the cost of real baby eels.

Milk for celiac people with bifidobacteria Logum ES1

Products from the hydrolyzed egg white
Scope: **Exclusivity** (*The company has the invest to approach the technology to the market*)

Period of time: **20 years maximum** (*After patent expiration*)

Economic conditions:

- Down-payments: at the signature of the license agreement
- Royalties: % on Net Sale (*3-5%*)
- Milestone payments:
  - Beginning of the commercialization
  - Patent granting
Promotion of technologies in the agrofood sector

CSIC is member of the **agrofood sector group** within the EEN

Meeting in:
- Barcelona, Spain (April 2016)
- Edinburgh, U.K. (October 2016)
- Palermo, Italy (April 2017)
- Seville, Spain (September 2017)
- Thessaloniki, Greece (April 2018)

Participation in:
- *Alimentaria Fair*, Barcelona, Spain (April 2016)
- *Andalucia sabor*, Seville, Spain (September 2017)
- *FRESKON Fair*, Thessaloniki, Greece (April 2018)

Sharing information and good practices with 80 European institutions