



HAL
open science

An integrated apricot breeding program in France joining CEP Innovation - Centrex and INRA

Jean Marc Audergon, Alain Blanc, Frederic Gilles, Guy Clauzel, J.M. Broquaire, Barbara Gouble, Marie Grotte, Maryse Reich, Sylvie Bureau, C. Pitiot

► To cite this version:

Jean Marc Audergon, Alain Blanc, Frederic Gilles, Guy Clauzel, J.M. Broquaire, et al.. An integrated apricot breeding program in France joining CEP Innovation - Centrex and INRA. 15. International Symposium on Apricot Breeding and Culture, Jun 2011, Yerevan, Armenia. hal-02749046

HAL Id: hal-02749046

<https://hal.inrae.fr/hal-02749046>

Submitted on 3 Jun 2020

HAL is a multi-disciplinary open access archive for the deposit and dissemination of scientific research documents, whether they are published or not. The documents may come from teaching and research institutions in France or abroad, or from public or private research centers.

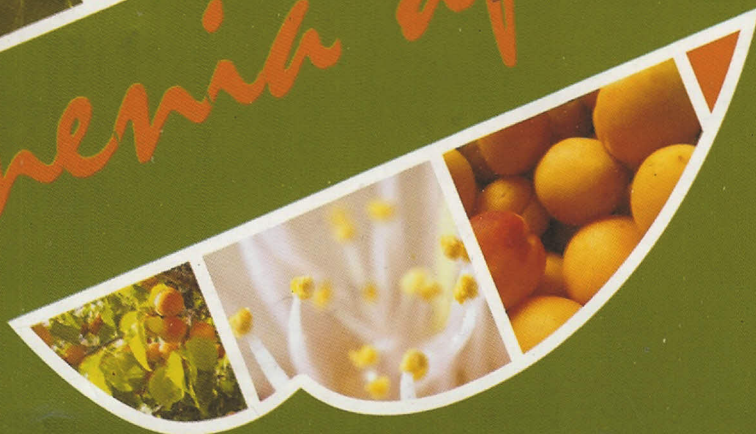
L'archive ouverte pluridisciplinaire **HAL**, est destinée au dépôt et à la diffusion de documents scientifiques de niveau recherche, publiés ou non, émanant des établissements d'enseignement et de recherche français ou étrangers, des laboratoires publics ou privés.

**JUNE
20-24**

**XV International
Symposium
on Apricot Breeding
and Culture**



armenia apricot



AN INTEGRATED APRICOT BREEDING PROGRAM IN FRANCE JOINING CEP INNOVATION – CENTREX AND INRA

Postka

J.M. Audergon¹, A. Blanc¹, Gilles F.¹, G. Clauzel², J.M. Broquaire³, B. Gouble⁴, M. Grotte⁴, M. Reich⁴, S. Bureau⁴, C. Pitiot⁵

¹ *Unité de Génétique et d'Amélioration des Fruits et Légumes, Institut National de la Recherche Agronomique, Domaine Saint-Maurice BP94, F-84143 Montfavet cedex, France*

² *Unité Expérimentale de Recherche Intégrée en Arboriculture Fruitière de Gotheron, F-26320 Saint Marcel les Valence, France*

³ *CENTREX, 66 Torreilles, France*

⁴ *Unité Mixte de Recherche A408, Sécurité et Qualité des Produits d'Origine Végétale INRA, Domaine Saint-Paul, Site Agroparc, F-84914 Avignon cedex 9, France ; Univ. Avignon, F-84029 Avignon, France*

⁵ *CEP INNOVATION sarl, 23-rue Jean Baldassini F-69634 Lyon cedex07, France*

The French apricot production is located in the South-Eastern part of the country and focused in the Rhone valley and close to the Mediterranean Sea. The north of Rhone valley is characterized by a continental climate while the southern region (Rhone valley and Mediterranean area) is under warm typical Mediterranean climate. Obviously apricot fruit production depends on a specific panel cultivars in each area of cultivation due to economic and adaptation constraints. In order to enlarge the panel of cultivar to be developed by the growers in each region an integrated breeding program is developed at a national level in France with the participation of INRA, CENTREX and CEP INNOVATION.

The main goals of the breeding program are : the elaboration of cultivars suitable for a durable production (including resistance to pests and disease), production regularity (including self-fertility and quality of the flowers), and fruit quality (including taste, attractiveness, and suitability for the transport).

The evaluation phase is organized in the 3 main areas of production (Perpignan, Nîmes, Valence) and follow 3 complementary evaluation stages (i) observation of the hybrid on its own roots (ii) evaluation of the best hybrids after grafting in the 3 main areas, (iii) assessment of the agronomic and commercial interest of the 'elite' accessions in small orchards.

The main results issued from this program are presented: 8 cultivars already registered, and 4 new selections under registration, and the first PPV resistant cultivar 'Shamade'.

Corresponding author: J.M. Audergon, E-mail: audergon@avignon.inra.fr