Identifier	S1-P-13	Poster
Title	**'Vialfas', a new late blooming almond cultivar**	
Authors	Rafel SOCIAS i COMPANY, José M. ALONSO, Ossama KODAD and José M. ANSÓN Unidad de Hortofruticultura, Centro de Investigación y Tecnología Agroalimentaria de Aragón (CITA), Av. Montañana 930, 50059 Zaragoza, Spain	
Corresp. email	rsocias@cita-aragon.es	

Abstract

The almond breeding programme of the CITA of Aragón aims at late-blooming cultivars with good horticultural behaviour, self-compatible, and with good kernel quality. After previous releases, 'Vialfas' responds to most of these objectives. This new release (selection I-3-27, clone 546) comes from the cross 'Felisia'x'Bertina'. Its blooming time is very late, three days before 'Mardía'on the average, with similar chilling requirements than 'Mardía'but with slightly lower heat requirements which could explain the difference in blooming. Flowers are of mean size, white, with peristigmatic style. Bloom density is high and consistent. It is self-compatible (genotype SfiS11), of high fruit set and resistance to frosts. Fruit are of mean size (4.7 g), as well as kernel (1.2 g), with a low shelling percentage (25%) and hard shell, and early ripening. Kernel composition is average for protein (18.84% of dry matter), oil (56.72%), tocopherols (251.8 g/kg oil) and fitosterols (1765 mg/kg oil), with a very high percentage of oleic acid (78% of total oil). The tree is slightly upright, with relative tolerance to disease and highly productive.