

## RECOVERING HOP CULTIVATION IN GALICIA (NW SPAIN)

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### INTRODUCTION

“Hijos de Rivera S.A.” (HdR), brewery founded in 1906, decided to make beer in 2006 based again on hop cultivated in Galicia, as the main milestone to commemorate its 100 anniversary. After a very active hops cultivation period from the 1950’s to the 1970’s, the cultivation stopped in the 1980’s.

### METHODS

An area of 1300 m<sup>2</sup> was planted in 2005 with cv Nugget at CIAM Research Farm, located in the heart of the area devoted to hop in the past. Due to the good results, in 2007 a new plot of 8700 m<sup>2</sup> was planted with 83% cv Nugget and 17% cv Columbus.

### RESULTS

Hop yields and  $\alpha$  and  $\beta$  acids content:

Year	2006	2007	2008	2008
Variety	Nugget	Nugget	Nugget	Columbus
Pellets production (kg)	145	58	1250	125
<i>Content in w/w%</i>				
$\alpha$ -acids	12.4	11.4	13.3	12.3
Cohumulones (% $\alpha$ )	26.9	24.6	27.6	30.8
$\beta$ -acids	4.5	4.4	5.3	4.4
Colupulones (% $\beta$ )	52.2	51.9	53.5	57.3
Relation $\alpha/\beta$	2.8	2.6	2.5	2.7

### Christsmas Beer “Estrella de Navidad”

Every December, since 2006, HdR bottled a 100 % malt Christmas Beer named “Estrella de Navidad”, made with the hop cultivated at CIAM. The beer was launched into the market, with high acceptance of the customers.



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