



SORGHUM,
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3RD EUROPEAN SORGHUM CONGRESS

Motivations, expectations, practices and performances of French sorghum producers

Main results of the 2019 survey



Jean Luc VERDIER



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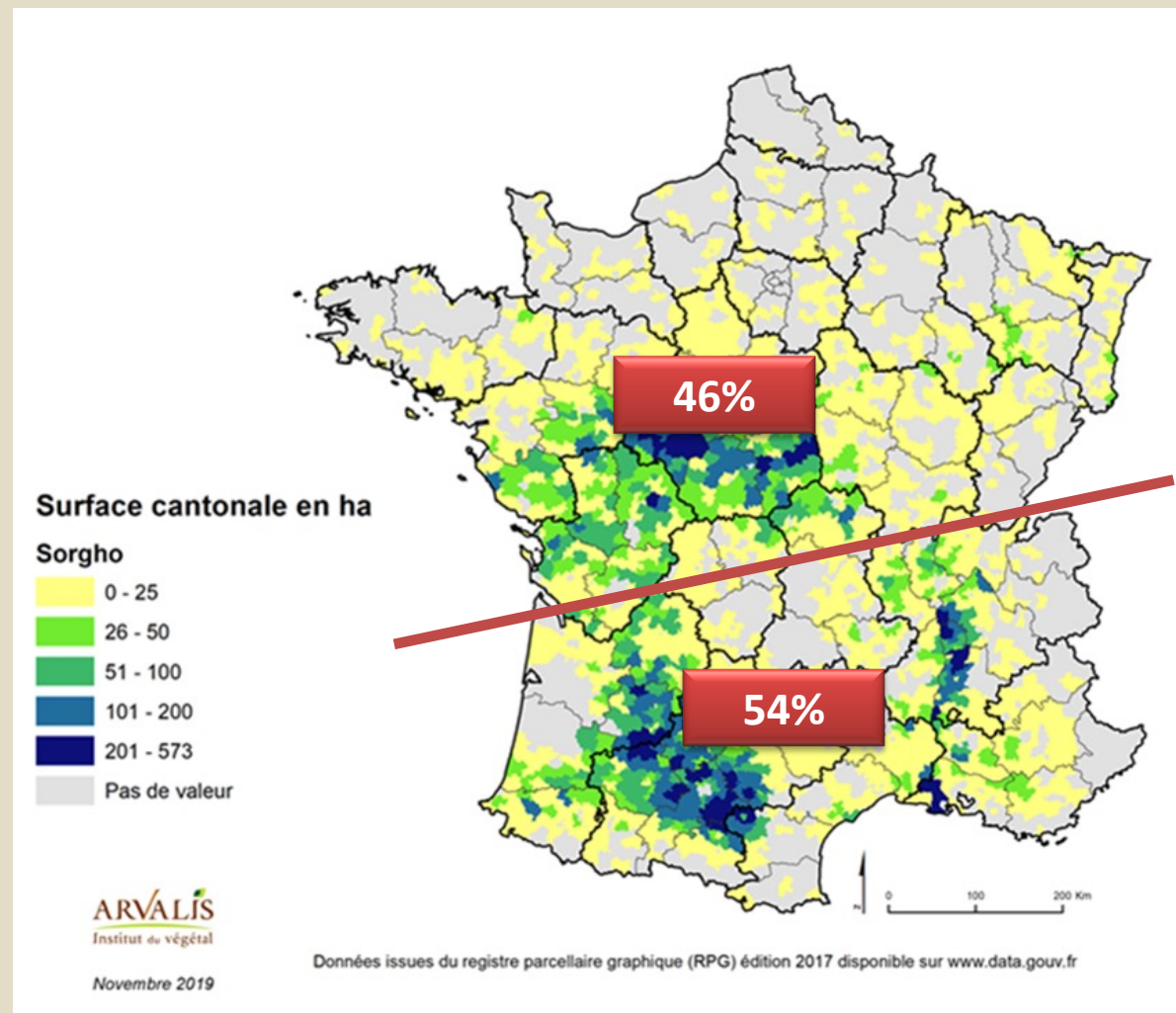
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Sorghum in France

Official statistics (agreste / FranceAgriMer) = grain sorghum + forage sorghum
96 200 ha (moyenne 2019-2020-2021)

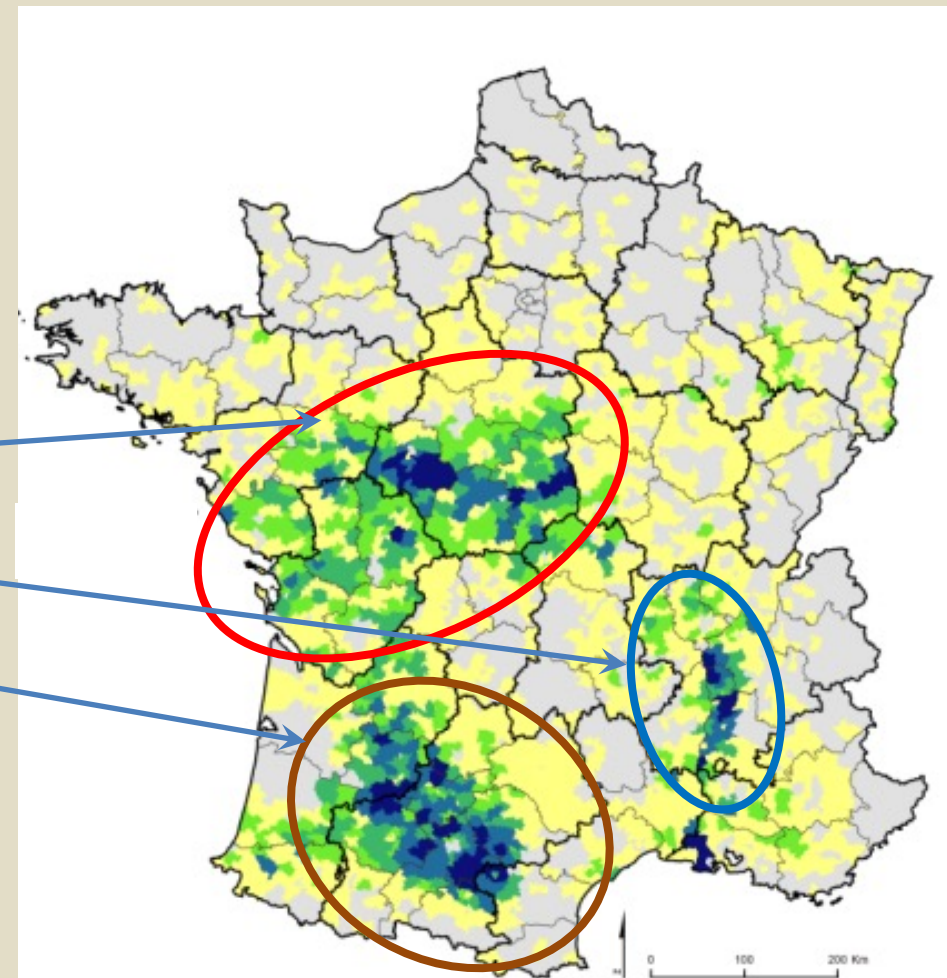
Seed sector estimate (Sorghum ID/Fnpsms) :

- grain sorghum \approx 75%
- forage sorghum \approx 25%



Grain sorghum producers survey (2019)

- ❑ 92 producers surveyed
 - ❑ 3 production areas :
 - ❑ Val-de-Loire-Charente – 35 producers
 - ❑ Vallée du Rhône – 10 producers
 - ❑ Sud-Ouest – 47 producers



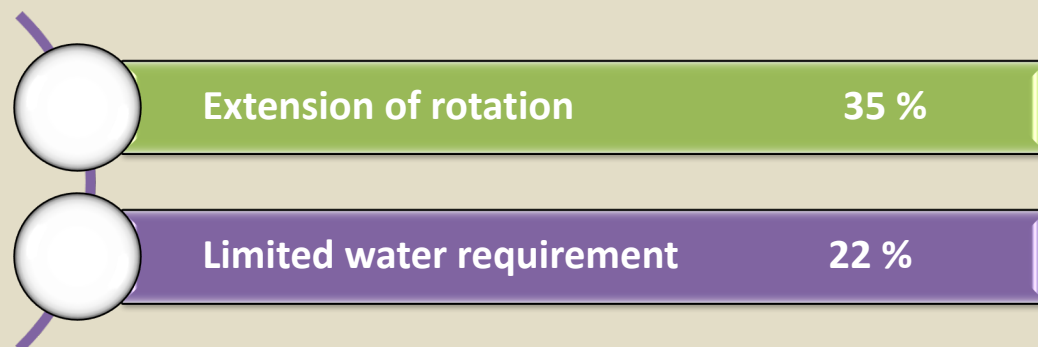


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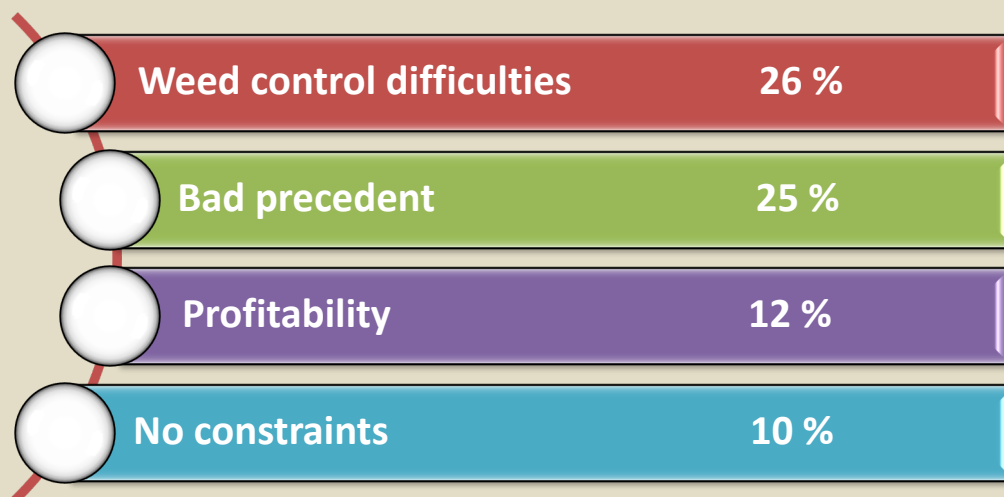
Strengths and constraints of the crop

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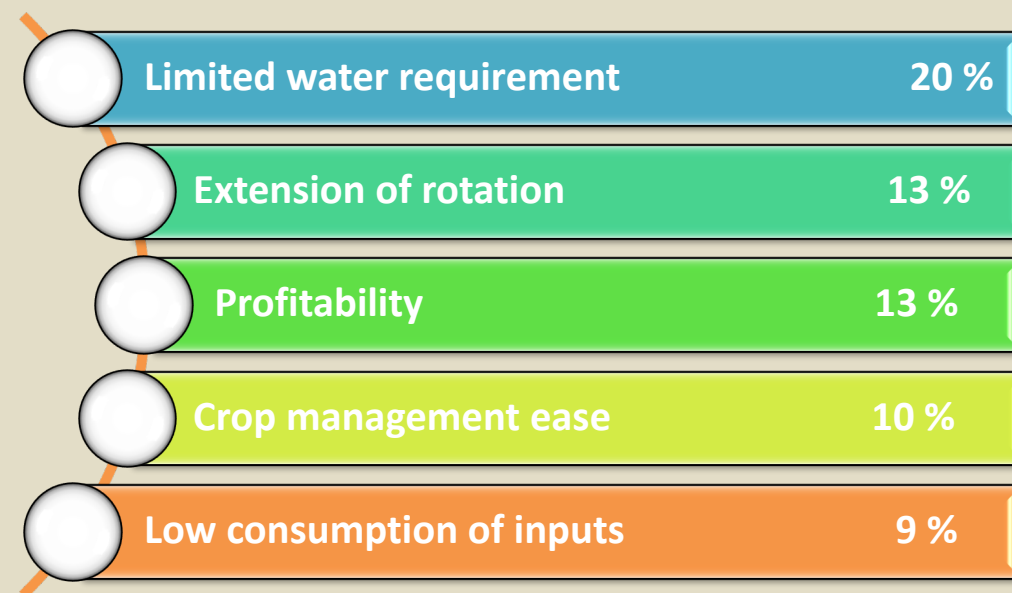
➤ *What were your motivations for producing sorghum?*



➤ *For you, what are the main constraints to sorghum production?*



➤ *What benefits have you found in producing sorghum ?*



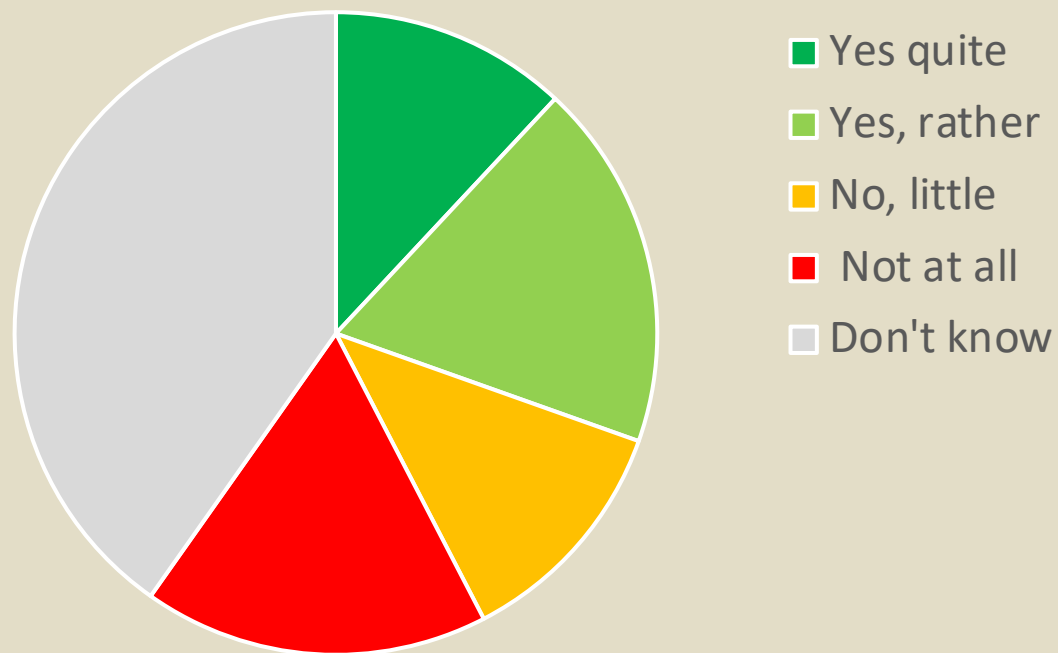
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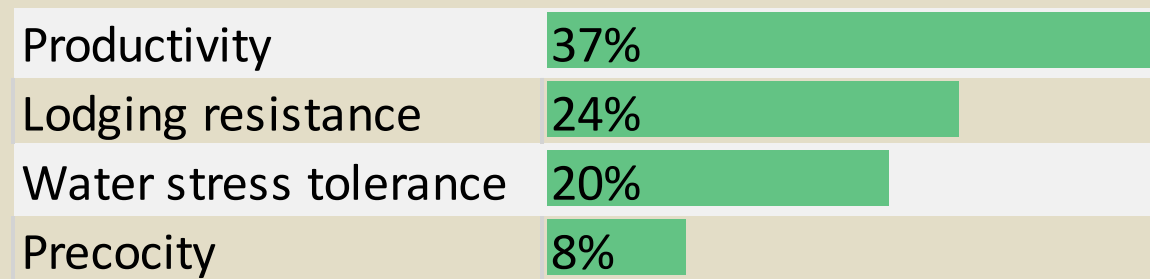


Producers opinions on varietal progress in grain sorghum

❑ Question: Do you consider that the new varieties marketed for 2 to 3 years showed improvements compared to earlier?



❑ Most frequently cited factors of genetic progress :

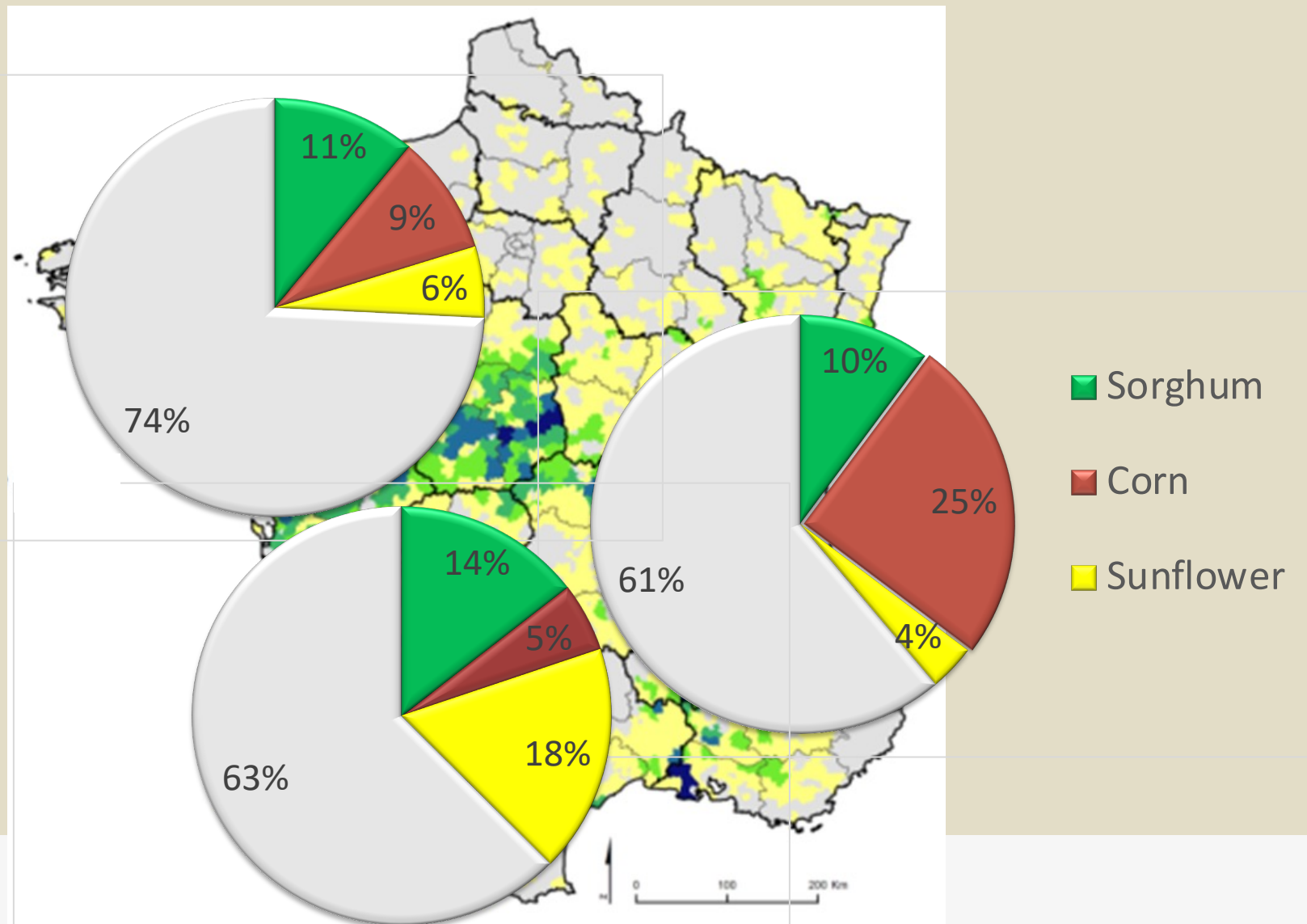




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Sorghum place of in crop rotation



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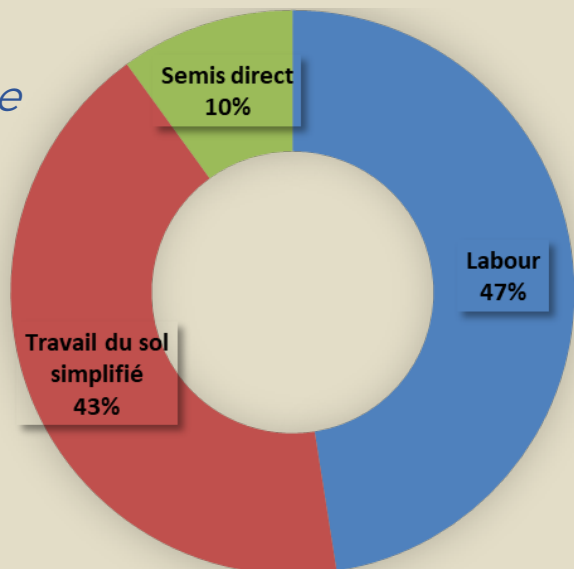
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Sorghum

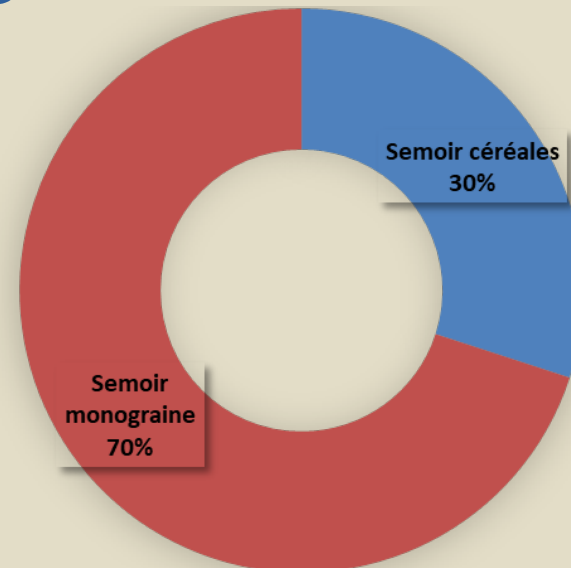
Cultural practices

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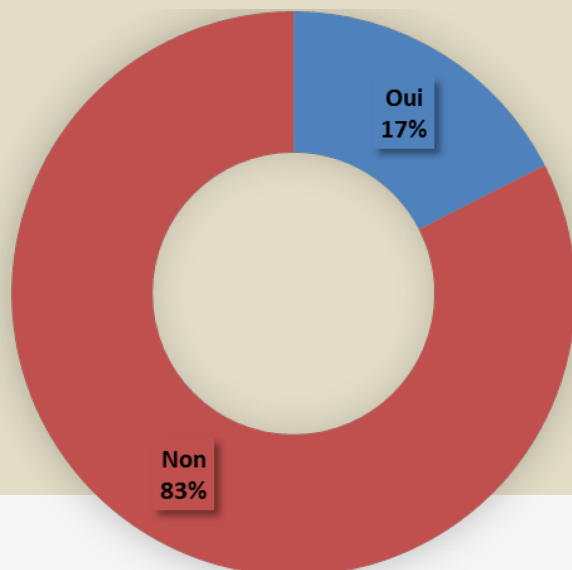
➤ Soil tillage



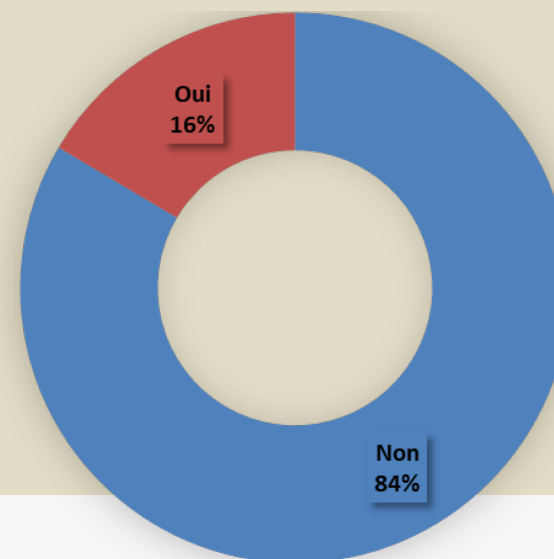
➤ Sowing



➤ Hoeing



➤ Irrigation



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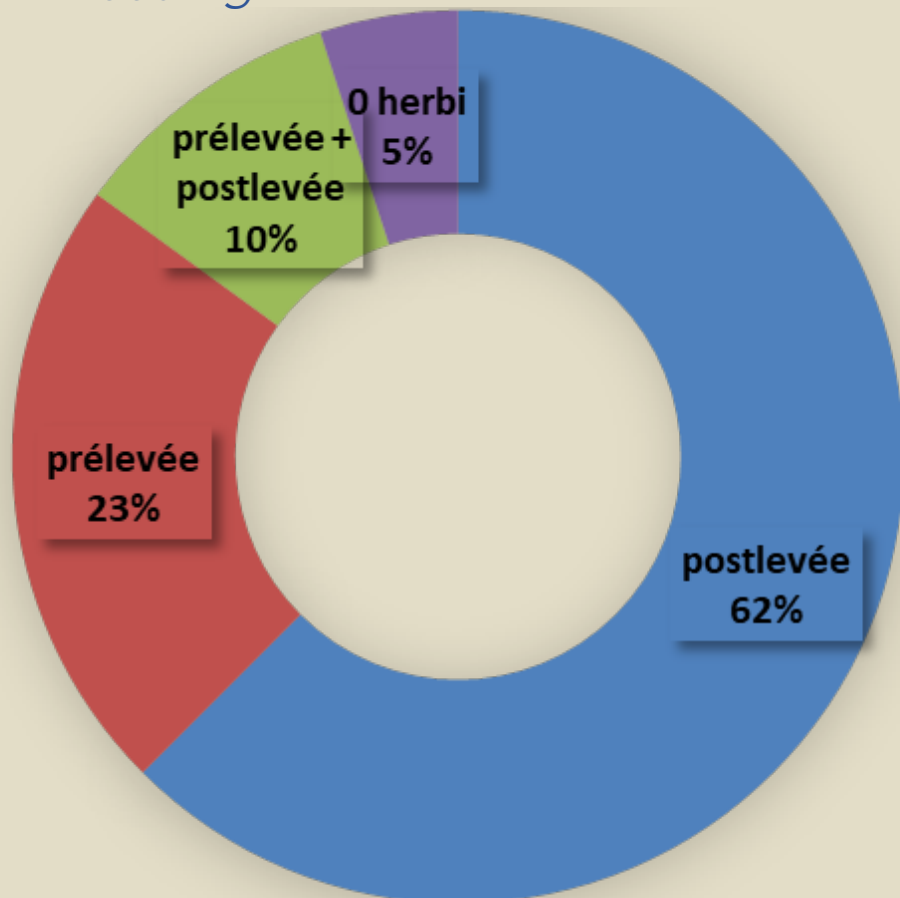


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Sorghum

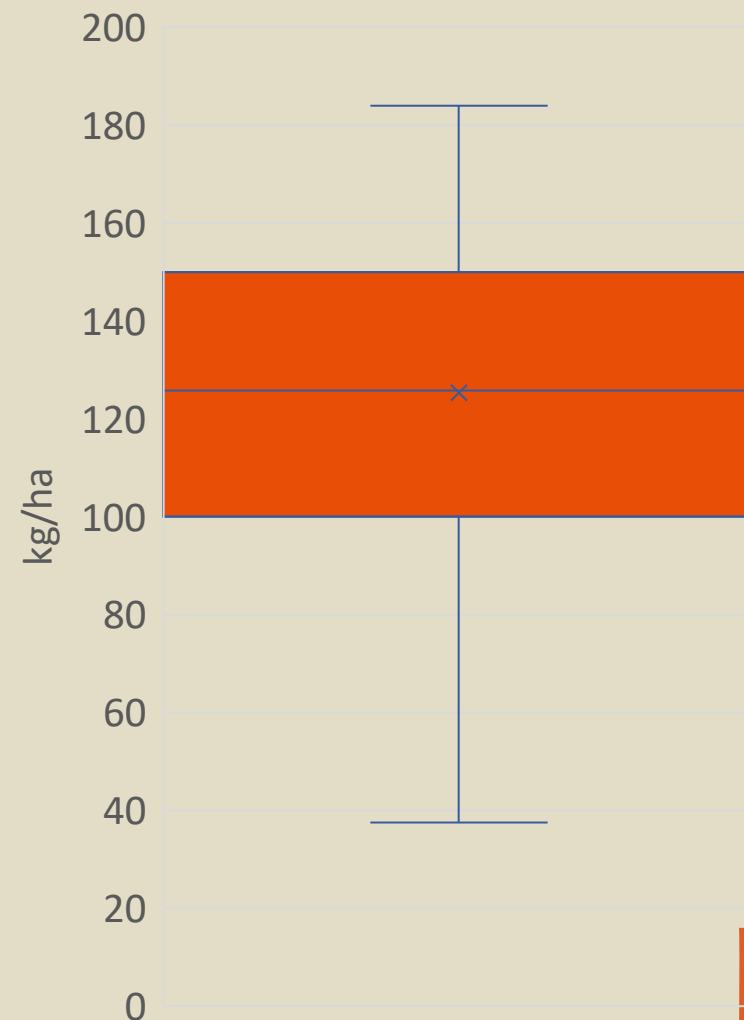
Cultural practices

➤ Weeding



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➤ Nitrogen fertilization



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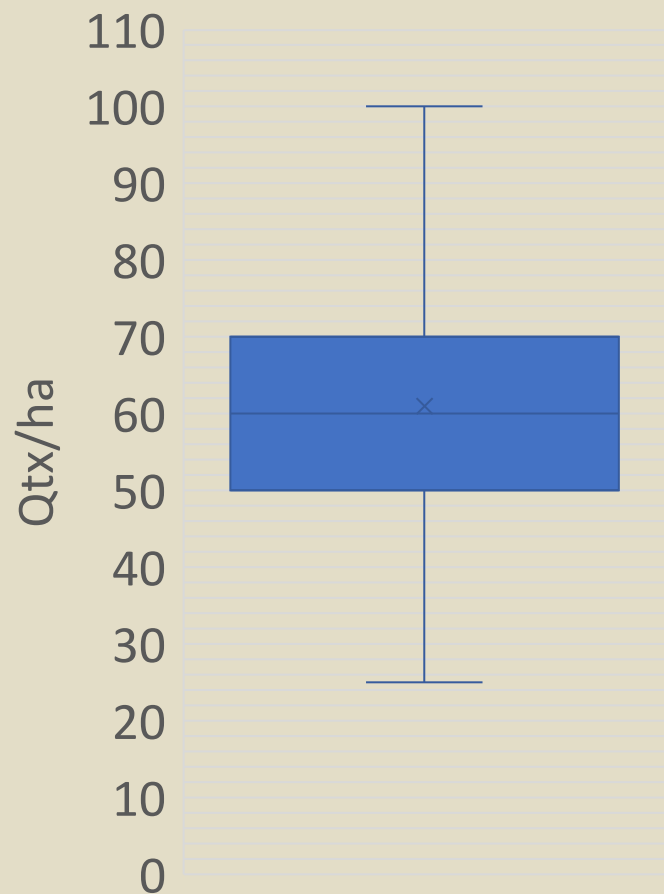


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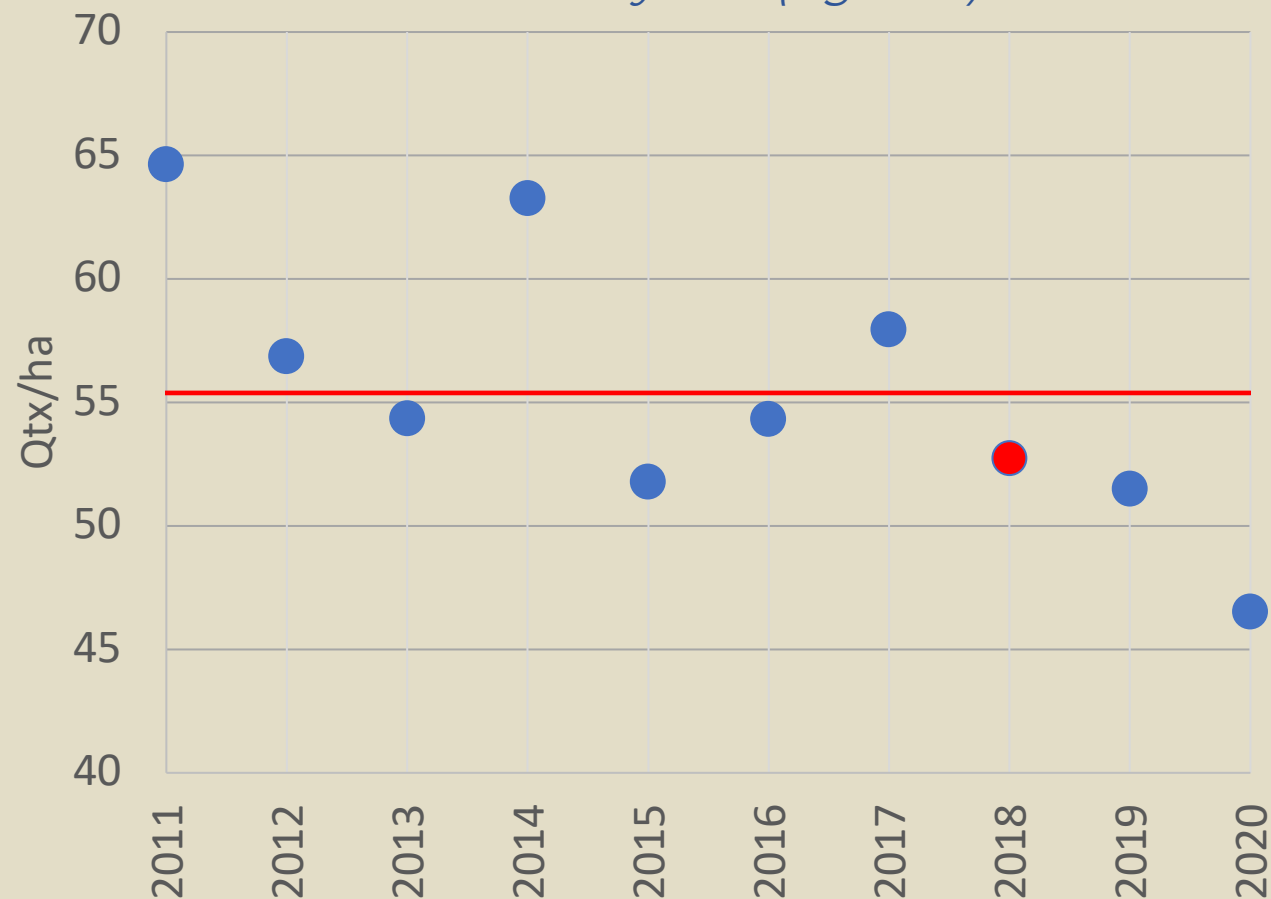
Yields

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➤ *Survey yields (2018)*



➤ *France Mean yields (Agreste)*



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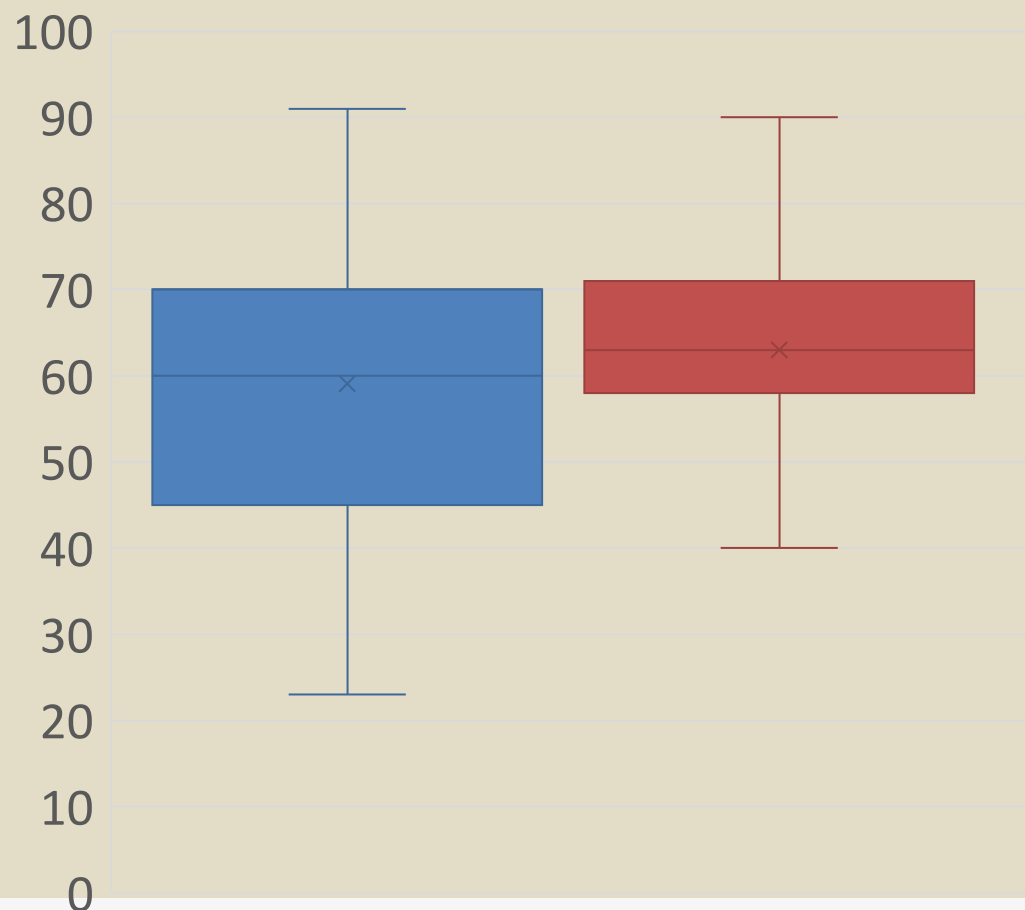
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Cultural practices and yield

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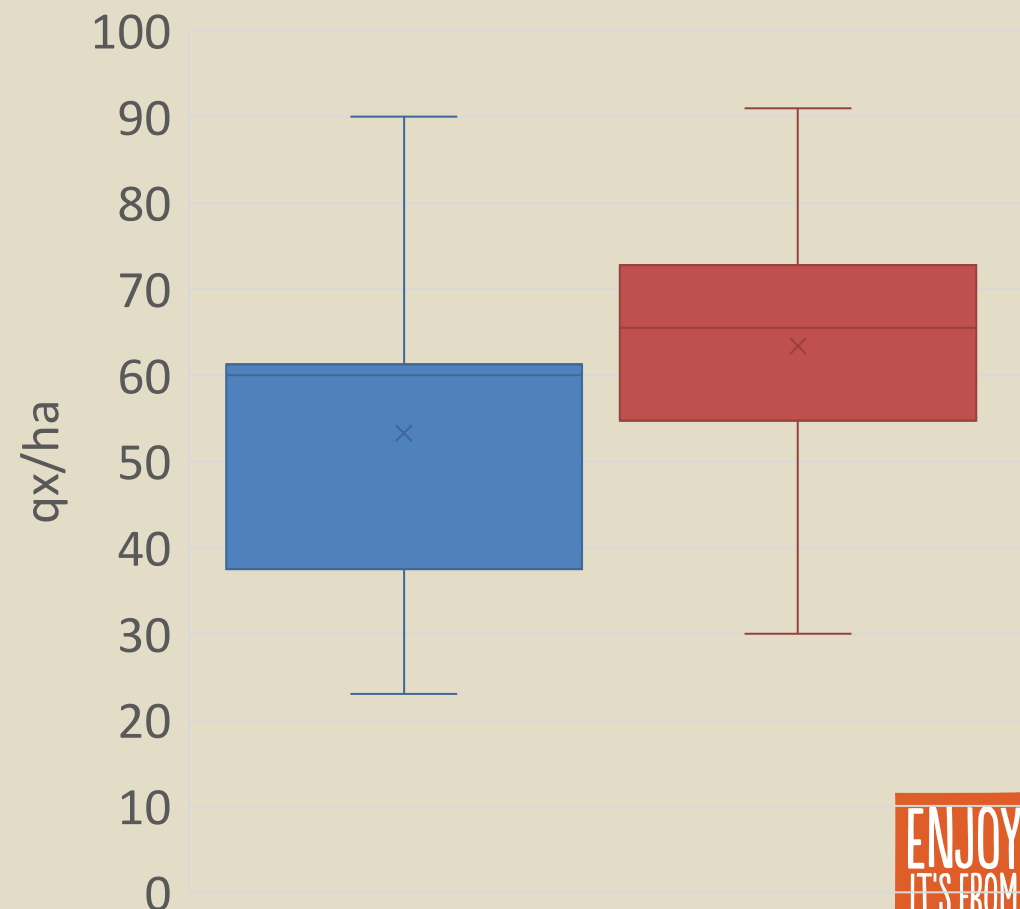
➤ Soil tillage

■ PLOUGHING ■ NO PLOUGHING



➤ Sowing

■ Grain drill ■ Pneumatic precision planter



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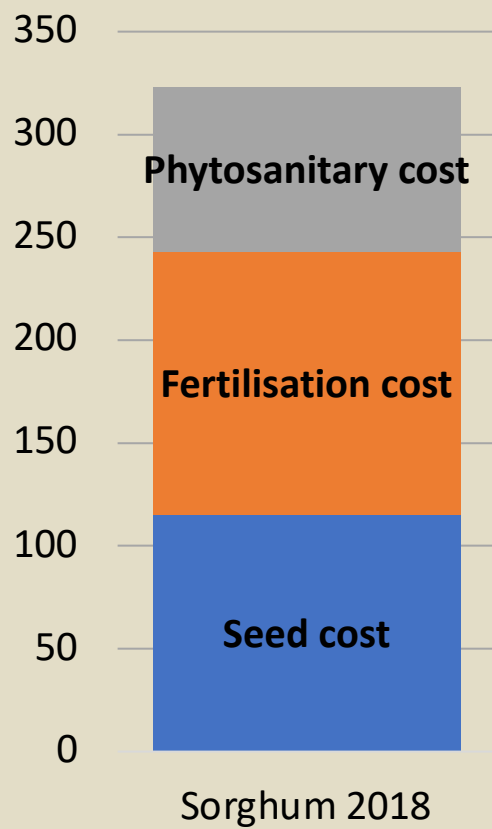


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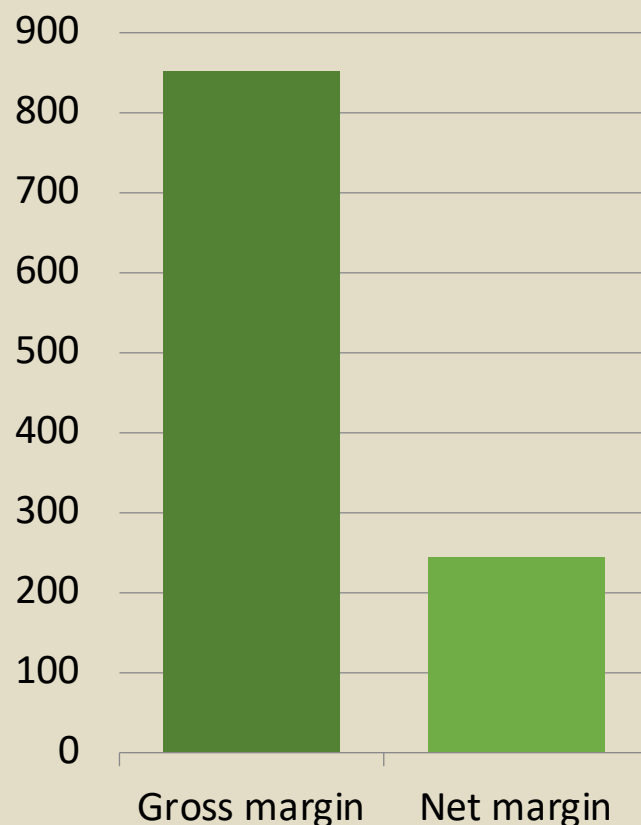
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Economic and environmental performance (2018 results)

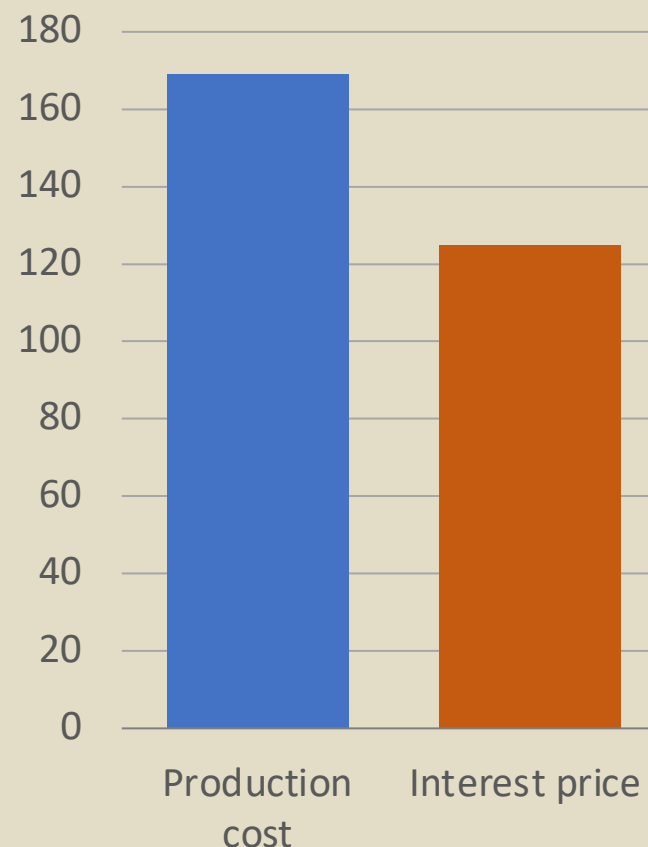
Direct costs (€/ha)



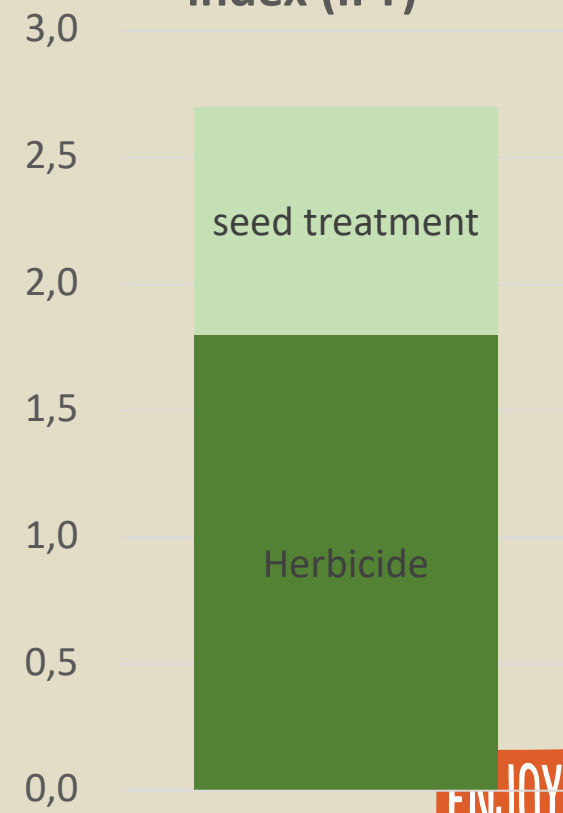
Margins (€/ha)



Production cost and Interest price (€/t)



Treatment frequency index (IFT)



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