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Temperature variation caused by sowing dates significantly affects floral

initiation and floral bud differentiation processes in rapeseed (Brassica

napus L.)

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## **Highlights**

Four leaf age of rapeseed is a basic vegetative growth for floral initiation.

The plastochron of rapeseed is about 37.7°Cd per leaf primordia.

Thermal time and mean temperature of vegetative phase is exponential

dependent.

Dynamic change of floral bud on raceme fits robustly by sigmoidal logistic curve.

The raceme and first three primary branches contribute mostly to seed yield.

**Abstract** 

To understand the influence of temperature on floral initiation and to reveal the

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