

Maternal control of progeny seed behaviour

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Abstract: we and others have shown that the mother plant plays an active role in perceiving environmental information, particularly temperature information, and passing this to her progeny by regulating their seed dormancy and germination. Here we will discuss the role of flowering pathway genes in this process, show how information is created and passed from mother to progeny, and examine interactions between the flowering time pathway and hormones in the control of seed dormancy.