

Carbon partitioning between oil and carbohydrates in developing oat (*Avena sativa* L.) seeds

Running title: Carbon partitioning in oat seeds

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Table S1. Definitions of stages A-J of seed development *in planta*.

Days post anthesis (dpa)	Dev. stage	Seed length (mm) (trichomes not included)	Fresh weight (mg/seed)	%DW	Color (crease side/back side/spikelets)	Trichomes and crease	Filling
0	A	2	5	-	white/white/green	Trichomes give the seed a white appearance	No filling
2	B	3-5	10	10	green/green/green	Trichomes give the seed a silvery appearance	Empty green sac
4	C	5-7	15	15	green/green/green	Trichomes give the seed a silvery appearance	White, almost empty sac
10	D	7-9	25	25	green/green/green	Silvery appearance is gone, crease can be seen	White sac starting to fill up with milky endosperm
14	E	9-11	35	35	green/green/green	Trichomes seen mostly in top, crease more clear (seed more filled, firm)	Milky white endosperm
20	G	9-11	45-50	45	pale green/yellow/ partly yellow	Trichomes seen mostly in top	Milky white endosperm, starting to solidify
25	I	9-11	37	60	yellow/yellow/ partly yellow	Trichomes seen mostly in top	Half (top) seed has started to dry, half seed still milky
30	J	9-11	30-35	88	brownish/ brownish/ yellow	Trichomes seen mostly in top	Hard, dry, starchy endosperm