

CROP GROWTH STAGES

Cereals (ZADOKS, CHANG AND KONZAK)

11	21	22	23-29	30	31	32	37	39	45	49	50-51	58-59	75
One leaf	Tillering begins	Two tillers formed	Leaf sheaths lengthen	Leaf sheaths strengthen	First node detectable	Second node detectable	Flag leaf just visible	Ligule of flag leaf just visible	Boots swollen	First awns visible	First ears just visible	All ears out of sheath	Ripening

Peas (KNOTT, PGRO & AAB)

004	101	102	201	203	205	207	301-303
Emergence	First node	Second node	Enclosed bud	First open flower	Flat pod	Pod fill	Senescence

Field Beans (KNOTT, PGRO & AAB)

004	005	102	104	201	203	204	205	207	209	410
Emergence	First leaf unfolding	Second node	Fourth node	Flower buds visible	First open flowers	First pods set	Pods fully formed	Pod fill	Pods turning black	All pods dry and black

Oilseed Rape (SYLVESTER-BRADLEY, ADAS & AAB)

1.0	1.1	1.5	2.0	2.5	3.3	3.7	4.0	4.1	5.3	5.9	6.1-6.9	8.1-8.9	9.1-9.9
Two cotyledons	First true leaves	Five true leaves	Rosette stage	Five internodes	'Green bud'	'Yellow bud'	First flower open	10% buds open	30% pods formed	All pods formed	Seed development	Stem senescence	Pod senescence

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Linseed (FREER, ADAS AND AAB)

05	09	12	13	21	31	39	49	51	59	61-69	71-79	91	95
Seedling emergence	Cotyledons fully expanded	First pair true leaves	Third pair true leaves	One basal branch	Enclosed flower bud	First flower open	End of flowering	10% seed capsule formed	End of seed capsule formation	Capsule senescence	Stem senescence	Seeds expanding	Seeds brown and hard

Potatoes (JEFFRIES, LAWSON, SCRI AND AAB)

100	200	210-290	300	301	321	400-460	530	540	550	560	600-690
Tuber dormant	Dormancy breaking	Sprouting	Stem emergence	One node emerged (main stem)	One node emerged (secondary stem)	Flowering	Tuber initiation	Tuber bulking	Skin set	Stolon detachment	Stem and foliage senescence