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BBCH-scale (grape)

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In biology, the **BBCH-scale for grapes** describes the [phenological](#) development of [grapes](#) using the [BBCH-scale](#).

The phenological growth stages and BBCH-identification keys of grapes are:

Growth stage	Code	Description
0: Sprouting/Bud development	00	Dormancy: winter buds pointed to rounded, light or dark brown according to cultivar; bud scales more or less closed according to cultivar
	01	Beginning of bud swelling: buds begin to expand inside the bud scales
	03	End of bud swelling: buds swollen, but not green
	05	"Wool stage": brown wool clearly visible
	07	Beginning of bud burst: green shoot tips just visible
	09	Bud burst: green shoot tips clearly visible
1: Leaf development	11	First leaf unfolded and spread away from shoot
	12	2nd leaves unfolded
	13	3rd leaves unfolded
	1 .	Stages continuous till . . .
	19	9 or more leaves unfolded
5: Inflorescence emerge	53	Inflorescences clearly visible
	55	Inflorescences swelling, flowers closely pressed together
	57	Inflorescences fully developed; flowers separating
6: Flowering	60	First flowerhoods detached from the receptacle
	61	Beginning of flowering: 10% of flowerhoods fallen
	62	20% of flowerhoods fallen
	63	Early flowering: 30% of flowerhoods fallen
	64	40% of flowerhoods fallen
	65	Full flowering: 50% of flowerhoods fallen
	66	60% of flowerhoods fallen
	67	70% of flowerhoods fallen
	68	80% of flowerhoods fallen
	69	End of flowering
7: Development of fruits	71	Fruit set: young fruits begin to swell, remains of flowers lost
	73	Berries goat-sized, bunches begin to hang
	75	Berries pea-sized, bunches hang
	77	Berries beginning to touch
	79	Majority of berries touching
8: Ripening of berries	81	Beginning of ripening: berries begin to develop variety-specific colour
	83	Berries developing colour
	85	Softening of berries
	89	Berries ripe for harvest
9: Senescence	91	After harvest; end of wood maturation
	92	Beginning of leaf discolouration
	93	Beginning of leaf-fall
	95	50% of leaves fallen
	97	End of leaf-fall
	99	Harvested product

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