

APPEARANCE OF THE BROOD NEST

	Appearance of the brood nest	Appearance of the cappings	Dead larvae	Colour/consistency of the larvae	Scales	Odour
Healthy Brood	Sealed cells, with only occasional unsealed cells	Uniform colour, usually light brown; convex cappings	None	Plump, pearly white and moist looking	None	None or fresh
American Foulbrood	Scattered brood pattern	Discoloured, sunken, moist and perforated	Lie flat on the cell bottom of sealed cells	Black-brown, dull white, light brown and eventually coffee-to-dark brown; sticky to ropey	Black-brown and rough; removed by bees with difficulty; they lie flat or on the lower side of the cell	Unpleasant, glue like
European Foulbrood (early infection)	Scattered brood pattern	Some discoloured, sunken and perforated	If unsealed cells, in twisted positions	Yellow and brown, remains are granular	Yellowish or light brown; easily removed by the bees	Sour
European Foulbrood (advanced or old infection)	Scattered brood pattern, often pepper pot in appearance	Discoloured, sunken and perforated	In unsealed cells and sometimes in sealed cells, in twisted positions, sometimes stretched out in the lower side of the cell	Black-brown, viscous, slightly ropey and sticky	Rubbery, black-brown and smooth; are removed by the bees with difficulty	Unpleasant, sour
Chalk brood	Scattered brood pattern	Light or dark, convex; many are perforated	Most often in sealed or perforated cells, but readily uncapped by the bees	White and mouldy, later grey-black, hard and chalk-like	None	Normal
Sac brood	Scattered brood pattern, often with many unsealed cells	Often dark and sunken, many perforated	Most often with head raised, both in sealed and perforated cells	Greyish-to-black, watery and granular, skin has a sack-like appearance	Head predominately curled up; yellow-brown or dark grey; easily removed by the bees	Sometimes sour