

Cost Comparison:



FLASH application
of formic acid with

APINOVAR

VS

COUMAPHOS



	FLASH WITH APINOVAR	cost per hive (doubles)	COUMAPHOS	cost per hive (doubles)
Cost of product	0.08\$/per application (4 applications assumed) (half cost for singles)	0.32\$	2 strips @ 2.35\$	4.70\$
time for application	0,2 min/hive per application for 2 men @ 12\$/h (4 applications assumed)	0.32\$	2 min./hive @ 12\$/h	0.40\$
time for removal	none	0.00\$	3 min./hive @ 12\$/h	0.60\$
transportation (0,2 km per hive assumed for each trip at 1\$/km)	2-4 trips (km) (4 trips assumed) labour (transportation): 2:45 h (4 x 66\$ / 600)	0.80\$ 0.44\$	2 trips (km) labour (transportation): 2 h (2 x 48\$ / 360)	0.40\$ 0.27\$
TOTAL COST		1.88\$		6.37\$
hives treated in a day (2 men) including transportation	500 - 700		300 - 400	
opening the hive necessary	NO		YES	
efficiency	92-96% reduction of natural mites fall for 4 applications		98% reduction of natural mites fall if no resistance	
duration of treatment	12 hours per application 2-4 applications required		42-45 days	
suitable for mid-season	YES		NO	
side effects on colonies	disturbance during volatilisation (12 h)		residues build up in the wax and may interfere with colony activities after several years not compatible with queen rearing (according to manufacturer)	
risk of resistance	none		high risk of resistance after 3 years	

Source: Les Reines Chapleau Inc (reineschapeau.wd1.net)

