

APPENDIX 12: LIST OF APPROVED PESTICIDES FOR USE IN THE KRUGER NATIONAL PARK

Pest	Pesticide Active Ingredient	Pesticide / Chemical Class	Manufacturer & Pesticide Trade Name	Form	Grams per Active Ingredient	Dosage	Directions for Use	Additional Information
Cockroaches	Alpha-cypermethrin	Pyrethroid	Cyanamid FENDONA	AL SC	1g/l 100g/l 60g/l	Undiluted 25-50ml 40-85ml	Use for Adult Cockroaches Apply directly onto insect or to areas frequented by pest. Coarse spray or brush onto surfaces frequented by pest. Use higher rate for longer residual action or where infestation is severe.	Repeat where necessary. Can also be used to control ants.
	Cyfluthrin	Pyrethroid	Bayer RESPONSAR	EW or HN	25g/l	40ml / 10l water	Apply directly onto insect or to areas frequented by pest.	Use 60-80ml/10l water for residual treatment
	Beta-cyfluthrin	Pyrethroid	Bayer TEMPO	SC	125g/l	20-40 ml	Coarse spray or brush onto surfaces directly frequented by cockroaches. Use higher rate under extremely dirty conditions or for longer residual action.	
	Triflumuron	Benoylurea	Bayer STARYCIDE	SC	480g/l	10ml/10l	For use on Larvae Insect Growth Regulator. Coarse spray onto surfaces frequented by Cockroaches. Use higher rate for high infestations or for longer residual action. Mix with Fendona Spray and apply as one treatment.	Will also work on fleas. Effective for about 3 months in summer and 6 months in winter.

Bed Bugs and Fleas	Permethrin	Pyrethroid	AgrEvo COOPEX MAXI/MINI SMOKE GENERATOR (FOGGER)	FD	135g/kg	1 tin/120 – 1000m ³	Ignite and smoulder for 2-3 hours.	Lasts for about 6 months. Also controls adult cockroaches.
	Permethrin	Pyrethroid	AgrEvo COOPEX DUST	DP	5g/kg	10g/m ²	Dust freely onto surfaces frequented by bed bugs.	
Rats and Mice Black & Brown Rat / House Mouse	Coumatetralyl	Coumarin anti- coagulant	Bayer RACUMIN	CB (I)	7.5g/kg	15-20 parts bait material	8g/l: 1 part in 30-40 parts water. 1l: 7l Pine Nut (Lecol) Add 40 ml Racumin CB (I). Keep available for 16 days refilling as required.	1 st Generation poison: Animals will need multiple feeds to die. Bait at night after dark and in secluded spots to minimise other animals from drinking. Remove during the day. Rodents will start to die in 4-7 days.
Termites	Imidacloprid	Chloronicoltyl	Bayer PREMISE	SC	200g/l	250ml/ 100l of water	250ml/100l of water 6x6 trench around building – 3- 6 linear meter Prior to erection – 5l/m ²	Use for Sub terranean wood destroying Expensive (R1000/l) Lasts up to 6 years.
Thatch Mites	Permethrin	Pyrethroid	AgrEvo COOPEX MAXI/MINI Smoke Generator (Fogger)	FD	135g/kg	1 tin/120 – 1000m ³	Ignite and smoulder for 2-3 hours.	Lasts for about 6 months.

Ants	Alpha-cypermethrin	Pyrethroid	Cyanamid FENDONA	AL SC	1g/l 100g/l 60g/l	Undiluted 25-50ml 40-85ml	Apply directly onto insect or to areas frequented by pest. Coarse spray or brush onto surfaces frequented by pest. Use higher rate for longer residual action or where infestation is severe.	Repeat where necessary.
	Permethrin	Pyrethroid	AgrEvo COOPEX DUST	DP	5g/kg	10g/m ²	Dust freely onto surfaces frequented by bed bugs.	
Mosquitoes	Beta-cyfluthrin	Pyrethroid	Bayer TEMPO	SC	125g/l	20-40 ml	Coarse spray or brush onto surfaces directly frequented by pest. Use higher rate under extremely dirty conditions or for longer residual action.	For use on smooth walls.
	Deltamethrin	Pyrethroid	Bayer K-OTHRIN		250g/kg	20mg/m ²	Dilute 20 g (one sachet) in 8 or 10l of water and apply to 250 m ² (10 litre sprayer) or 200 m ² (8 litre sprayer).	
	Cyfluthrin	Pyrethroid	Bayer RESPONSAR	EW or HN	25g/l	66ml/10l water	Apply directly onto insect or to areas frequented by insect. Coarse spray or brush onto surfaces.	
	Lambda-cyhalothrin	Pyrethroid	Zeneca ICON	WP	100g/kg	1 sachet of 62.5 g/8l of water	Apply directly onto insect or to areas frequented by insect. Coarse spray or brush onto surfaces.	
	Alpha-cypermethrin	Pyrethroid	Cyanamid FENDONA	AL SC	1g/l 100g/l 60g/l	Undiluted 25-50ml 40-85ml	Apply directly onto insect or to areas frequented by pest. Coarse spray or brush onto surfaces frequented by pest. Use higher rate for longer	

Mosquitoes							residual action or where infestation is severe.	Use for smooth walls
	Permethrin	Pyrethroid	AgrEvo COOPEX	WP	250g/kg	25-50g	Coarse spray onto surfaces. Use higher rates for longer residual action.	
	Propoxur	Carbomate	Bayer BAYCON	WP	500g/kg	0.5mg/m ³	Rapid breakdown but bad smelling	
	Cyfluthrin	Pyrethroid	Bayer BAYTHROID	WP	100g/kg	20-40g	Spray or paint onto surfaces to point of run-off. Use higher rate for longer residual action.	For use on rough walls.
	Cyfluthrin	Pyrethroid	Bayer SOLFAC	EW	50g/l	40-80 ml	Spray onto surfaces. Use higher rate for longer residual action.	For use on Mosquito nets and clothing
	Permethrin	Pyrethroid	NIX / RID / ELIMITE		50g/l	66ml/10l water	For contact repelling of mosquitoes dip mosquito net or clothing for a few minutes in a freshly prepared emulsion and allow to dry. Repeat every third to fourth wash.	
	Cyfluthrin	Pyrethroid	Bayer RESPONSAR	EW or HN	25g/l	66ml/10l water	Use 1.5l mixture per net. For contact repelling of mosquitoes dip mosquito net or clothing for a few minutes in a freshly prepared emulsion and allow to dry. Repeat every third to fourth wash.	

Note: Pesticides must not be used in close proximity (50m) to aquatic environments and water sources.