

**ANNEX 3: SUMMARY OF EACH APPLICATION FOR THE CRITICAL USES OF METHYL BROMIDE SUBMITTED BY THE EUROPEAN COMMUNITY (as required under ExMOP.I/4(7))**

**NOMINATION FOR CRITICAL USES OF METHYL BROMIDE FOR USE IN 2008 SUBMITTED BY THE EUROPEAN COMMUNITY**

	<b>Nominating Party:</b>	<b>European Community</b>
1	Descriptive title of the Application:	<b>Poland – Disinfestation of imported coffee and cocoa beans with methyl bromide</b>
	Crop name or post-harvest use:	Post-harvest – commodity – Imported cocoa and coffee
	Quantity of methyl bromide requested in 2008:	500 kg
	Reasons provided by Member State for alternatives to methyl bromide not being technically and economically feasible	<p>Methyl bromide is needed because:</p> <p>Phosphine: (a) Long fumigation period (up to 12 days) which is unacceptable at the entry port. The phosphide granules (new formulation) for machine generators – effective but not yet registered. Phosphine gas – effective but not registered; Phosphine produced by “speed box” method was recently introduced in Poland, not effective enough; time is needed for wide implementation (b) No effect on pathogens (fungi); (c) Not effective under 10°C - temperatures much lower than 10°C occur in Poland; (d) Corrosive to copper and copper alloys which are used in ships and store houses; (e) Unsuitable in vacuum chambers.</p> <p>Cooling to sub-zero temperatures: (a) The method for a short period of time has no effect on the acarid mites – long treatment time which is unacceptable at the entry port; (b) No effect on pathogens (fungi); (c) Needs uniformity of application.</p> <p>Controlled atmospheres needs long time treatments that are unacceptable at the entry port.</p> <p>Irradiation facilities for food processing are unavailable.</p> <p>Carbonyl sulfide and sulfuryl fluoride are not registered.</p>
2	Descriptive title of the Application:	<b>Poland – Disinfestation of medicinal herbs with methyl bromide</b>
	Crop name or post-harvest use:	Post-harvest – commodity – Medicinal herbs only (no request for dried mushrooms for 2008)
	Quantity of methyl bromide requested in 2008:	500 kg
	Reasons provided by Member State for alternatives to methyl bromide not being technically and economically feasible	<p>Methyl bromide is needed because:</p> <p>Phosphine both as phosphides (Al, Mg) and as a gas formulation is not registered for fumigation of medicinal herbs in PL.</p> <p>Cooling to sub-zero temperatures: (a) The method for a short period of time has no effect on the acarid mites – long treatment time is needed; (b) No effect on pathogens (fungi); (c) Needs uniformity of application.</p> <p>Irradiation facilities for food processing are unavailable.</p> <p>High pressure with CO<sub>2</sub>: (a) Yet under the technical trials in one place and chamber under construction at the second place – will require training on the process and its variables (e.g., temperatures, pressure value - bars) to achieve the efficacy; (b) No effect on pathogens, (c) Slow acting.</p> <p>Carbonyl sulfide and sulfuryl fluoride are not registered.</p>

	<b>Nominating Party:</b>	<b>European Community</b>
21	Descriptive title of the Application:	<b>Poland</b> – Treatment of soil prior to planting strawberry runners to control nematodes (mainly <i>Globodera</i> sp) and fungal diseases ( <i>Verticillium</i> , <i>Phytophthora</i> and <i>Fusarium</i> spp)
	Crop name or post-harvest use:	Pre-harvest – Strawberry runners
	Quantity of methyl bromide requested in 2008:	12,000 kg
	Reasons provided by Member State for alternatives to methyl bromide not being technically and economically feasible	<p>Methyl bromide is needed because high phytosanitary standards for strawberry runners produced for export must be met.</p> <p>MITC-fumigants (dazomet, metam sodium) – not effective enough for use in runners grown for export due to: (a) climatic conditions at time of application since only autumn application is possible, thus reduced efficacy and possibility of phytotoxic after-effects if winter begins early and temperature drops; (b) Long plantback period of MITC fumigants interferes with production timing of runner plants for export.</p> <p>1,3-D/Pic – not available at present in Poland since 1,3-D is on the list of forbidden substances.</p> <p>Chloropicrin – not registered in Poland for use alone or in combinations.</p> <p>Plug plants – not feasible in the case of strawberry runner production for export, since the importers are interested in bare root strawberry runner plants only.</p> <p>Soil steaming – none of the countries applies this method in the commercial production of strawberry runners due to very high costs and technical obstacles.</p>
04	Descriptive title of the Application:	<b>Spain</b> – Disinfestation of soil prior to planting strawberry runners in high elevation conditions
	Crop name or post-harvest use:	Pre-harvest – Strawberry runners
	Quantity of methyl bromide requested for 2008:	215,000 kg
	Reasons provided by Member State for alternatives to methyl bromide not being technically and economically feasible	Methyl bromide is needed because although several options have been tested since 1998, no alternatives have been identified under the nomination conditions. Research continues.
05	Descriptive title of the Application:	<b>Spain</b> – Disinfestation of soil prior to planting strawberry fruit and pepper – research projects
	Crop name or post-harvest use:	Pre-harvest – Strawberry fruit and pepper
	Quantity of methyl bromide requested for 2008:	150.16 kg
	Reasons provided by Member State for alternatives to methyl bromide not being technically and economically feasible	Methyl bromide is needed for the "MB Alternatives National Project": MB is reference standard in this project that evaluates environmental effects of certain fumigants
06	Descriptive title of the Application:	<b>Spain</b> – Disinfestation of soil prior to planting cut-flowers in Andalusia and Catalonia
	Crop name or post-harvest use:	Pre-harvest – cut-flowers (Andalusia and Catalonia)
	Quantity of methyl bromide requested for 2008:	17,000 kg
	Reasons provided by Member State for alternatives to methyl bromide not being technically and economically feasible	Methyl bromide is needed because no alternatives are available for the circumstances of the nomination: High infestation of <i>Cyperus sp.</i> , <i>Fusarium</i> and nematodes, long cultivation cycle and low profitability.