

Materials List for

# Determination of 45 Pesticides in Avocado Varieties by the QuEChERS Method and Gas Chromatography-Tandem Mass Spectrometry

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## Materials

Name	Company	Catalog Number	Comments
3-Ethoxy-1,2-propanediol	Sigma Aldrich	260428-1G	
Acetonitrile	Merk	1006652500	
Ammonium formate	Sigma Aldrich	156264-1KG	
AOAC 20i/s autosampler	Shimadzu	221-723115-58	
Automatic shaker MX-T6-PRO	SCIOLOGEX	8.23222E+11	
Balance	OHAUS	PA224	
Centrifuge tubes, 15 mL	Nest	601002	
Centrifuge tubes, 2 mL	Eppendorf	4610-1815	
Centrifuge tubes, 50 mL	Nest	602002	
Centrifuge Z206A	MERMLE	6019500118	
Choper 2L	Oster	2114111	
Column SH-Rxi-5sil MS, 30 m x 0.25 mm, 0.25 µm	Shimadzu	221-75954-30	MS GC column
Dispensette 5-50 mL	BRAND	4600361	
DSC-18	Sigma Aldrich	52600-U	
D-Sorbitol	Sigma Aldrich	240850-5G	
Ethyl acetate	Merk	1313181212	
GCMS-TQ8040	Shimadzu	211552	
Graphitized carbon black	Sigma Aldrich	57210-U	
Injection syringe	Shimadzu	LC2213461800	
L-Gulonic acid γ-lactone	Sigma Aldrich	310301-5G	
Linner splitless	Shimadzu	221-4887-02	
Magnesium sulfate anhydrous	Sigma Aldrich	M7506-2KG	
Methanol	Panreac	131091.12.12	

Milli-Q ultrapure (type 1) water	Millipore	F4H4783518	
Pipette tips 10 - 100 µL	Biologix	200010	
Pipette tips 100 - 1000 µL	Brand	541287	
Pipette tips 20 - 200 µL	Brand	732028	
Pipettes Pasteur	NORMAX	5426023	
Pippette Transferpette S variabel 10 - 100 µL	BRAND	704774	
Pippette Transferpette S variabel 100 - 1000 µL	BRAND	704780	
Pippette Transferpette S variabel 20 - 200 µL	SCIOLOGEX	7.12111E+11	
Primary-secondary amine	Sigma Aldrich	52738-U	
Shikimic acid	Sigma Aldrich	S5375-1G	
Syringe Filter PTFE/L 25 mm, 0.45 µm	NORMAX	FE2545I	
Triphenyl phosphate (QC)	Sigma Aldrich	241288-50G	
Vials with fused-in insert	Sigma Aldrich	29398-U	
Z-SEP+	Sigma Aldrich	55299-U	zirconium oxide-based sorbent
<b>Pesticides</b>			<b>CAS registry number</b>
4,4'-DDD	Sigma Aldrich	35486-250MG	72-54-8
4,4'-DDE	Sigma Aldrich	35487-100MG	72-55-9
4,4'-DDT	Sigma Aldrich	31041-100MG	50-29-3
Alachlor	Sigma Aldrich	45316-250MG	15972-60-8
Aldrin	Sigma Aldrich	36666-25MG	309-00-2
Atrazine	Sigma Aldrich	45330-250MG-R	1912-24-9
Atrazine-d5 (IS)	Sigma Aldrich	34053-10MG-R	163165-75-1
Buprofezin	Sigma Aldrich	37886-100MG	69327-76-0
Carbofuran	Sigma Aldrich	32056-250-MG	1563-66-2
Chlorpropham	Sigma Aldrich	45393-250MG	101-21-3
Chlorpyrifos	Sigma Aldrich	45395-100MG	2921-88-2
Chlorpyrifos-methyl	Sigma Aldrich	45396-250MG	5598-13-0
Deltamethrin	Sigma Aldrich	45423-250MG	52918-63-5
Dichloran	Sigma Aldrich	45435-250MG	99-30-9
Dichlorvos	Sigma Aldrich	45441-250MG	62-73-7
Dieldrin	Sigma Aldrich	33491-100MG-R	60-57-1
Diphenylamine	Sigma Aldrich	45456-250MG	122-39--4
Endosulfan A	Sigma Aldrich	32015-250MG	115-29-7
Endrin	Sigma Aldrich	32014-250MG	72-20-8
EPN	Sigma Aldrich	36503-100MG	2104-64-5
Esfenvalerate	Sigma Aldrich	46277-100MG	66230-04-4
Ethion	Sigma Aldrich	45477-250MG	563-12-2
Fenamiphos	Sigma Aldrich	45483-250MG	22224-92-6
Fenitrothion	Sigma Aldrich	45487-250MG	122-14-5
Fenthion	Sigma Aldrich	36552-250MG	55-38-9
Fenvalerate	Sigma Aldrich	45495-250MG	51630-58-1
HCB	Sigma Aldrich	45522-250MG	118-74-1
Iprodione	Sigma Aldrich	36132-100MG	36734-19-7
Lindane	Sigma Aldrich	45548-250MG	58-89-9
Malathion	Sigma Aldrich	36143-100MG	121-75-5

Metalaxyl	Sigma Aldrich	32012-100MG	57837-19-1
Methidathion	Sigma Aldrich	36158-100MG	950-37-8
Myclobutanil	Sigma Aldrich	34360-100MG	88671-89-0
Oxyfluorfen	Sigma Aldrich	35031-100MG	42874-03-3
Parathion-methyl	Sigma Aldrich	36187-100MG	298-00-0
Penconazol	Sigma Aldrich	36189-100MG	66246-88-6
Pirimiphos-methyl	Sigma Aldrich	32058-250MG	29232-93-7
Propiconazole	Sigma Aldrich	45642-250MG	60207-90-1
Propoxur	Sigma Aldrich	45644-250MG	114-26-1
Propyzamide	Sigma Aldrich	45645-250MG	23850-58-5
Pyriproxifen	Sigma Aldrich	34174-100MG	95737-68-1
Tolclofos-methyl	Sigma Aldrich	31209-250MG	5701804-9
Triadimefon	Sigma Aldrich	45693-250MG	43121-43-3
Triflumizole	Sigma Aldrich	32611-100MG	68694-11-1
$\alpha$ -HCH	Sigma Aldrich	33377-50MG	319-86-8
$\beta$ -HCH	Sigma Aldrich	33376-100MG	319-85-7