READ THE LABEL BEFORE USING (SOMA KIBANDIKO KABLA YA KUTUMIA)

AGRAL® 90

NON-IONIC WETTING AND SPREADING AGENT

COMMERCIAL AND AGRICULTURAL CLASS
(SEHEMU YA BIASHARA NA KILIMO)

REGISTRATION NO.(NAMBARI YA KUSAJILIWA) : PCPB(CR) 0058

GUARANTEE (DHAMANA) : 900 g/L Alkyl Phenol Ethylene Oxide Condensate (87% w/w)

KEEP LOCKED OUT OF REACH OF CHILDREN (WEKA MBALI NA WATOTO)

SHELF LIFE: 2 years from date of manufacture in original, unopened container stored in a cool dry well ventilated place.

MUDA RAFUNI: Miaka miwili baada ya tarehe ya kutengenezwa ikihifadhiwa kwenye mtungi wake halisi usiofunguliwa na uliowekwa pahali pakavu na baridi.

MEMBER OF AGROCHEMICALS ASSOCIATION OF KENYA REGISTRATION NUMBER 102

Inflammable
Yaweza kuwaka

DATE OF MANUFACTURE (TAREHE YA KUTENGENEZWA)	BATCH NO.: (NA NAMBARI YA KIFURUSHI)

In case of an emergency, call Toll free Nos: 00800720021 and 00800730030 (24hrs)
(Piga simu isiyo na malipo wakati wa shida)

®= registered trademark of Syngenta Group Company

NET CONTENT / KIASI:

20 LITRES

Manufactured by:-
Syngenta Crop Protection AG,
WR0-1004.4.10
Schwarzwaldallee 215
CH-4058 Basle,
Switzerland

DISTRIBUTED IN KENYA BY:
TWIGA CHEMICAL INDUSTRIES LTD.
AGRICULTURE DIVISION,
P. O. BOX 30172-00100 G.P.O, NAIROBI-KENYA
TEL:3942300, FAX:3942405

MAELEZO
'AGRAL 90' ni kinatisho cha umajimaji usio na madini ya chuma na pia kisambazo kinachoweza kuchanganywa na dawa bila kuathiri ubora wake. Husaidia kunatisha dawa kwenye sura telezi za majani, wadudu na "fungi" na pia kwa kuruhusu ueneaji sawasawa wa dawa kwenye jani lote huchangamisha utenda-jikazi wake. Vilevile huhakikisha uaoshaji mwepesi wa mashine na mitambo ya kunyunyizia dawa.

MAAGIZO YA MATUMIZI
1. Kama Kinatisho
'AGRAL 90' yaweza kuchanganywa na dawa yoyote inapopendekezwa kuongeza kinatisho ili kuimarisha ushikaji au uwezo wake wa kazi chini ya hali fulani. Wakati wote kabla hujaitumia dawa hakikisha unasoma kibandiko cha dawa inayotumika. Inaweza tumika kwa maji ya mvua, mto na pia ya chemchemi. Ongeza kiasi kinachotakiwa cha **'AGRAL 90'** katika dawa majimaji kisha koroga sawasawa.

MAAGIZO YA MATUMIZI

Kiasi cha 'AGRAL 90' katika lita 20 za dawa inayonyunyizwa	Mililita
Kwa kuitumia na 'Gramoxone'*	10
Kwa kuitumia na Duduthrin kwenye Market Brassicas	6

Itumie wakati 'Gramoxone', inanyunyiziwa kwa kipimo cha lita 2 kwa hektari (mililita 200 kwa lita 20 ya maji au chini ya hapo). 'Gramoxone' ni jina ya kibiashara ya Syngenta.

2. Kwa Kusafisha mitambo ya mashine na pia bomba ya kunyunyizia kwa mkono.
Vifaa vyote lazima vioshwe sawasawa baada ya kutumia kemikali za kilimo. Mabaki ya **'AGRAL 90'** katika mashine zilizotumika yaweza kuhatarisha mimea mingine inayotiwa dawa baadaye. Daima baada ya matumizi mabomba yasafishwe vizuri kama unavyoshauriwa na watengenezaji.

'AGRAL 90' itasaidia kusafisha tanki za mabomba, pampu na njia za kupitisha dawa. Tumia ifuatavyo.
1. Mwaga na kuondoa kabisa dawa katika bomba, kisha osha kwa maji safi tanki, mkono wake, pia mdomo upitishao dawa halafu umwage uchafu wote mbali na sehemu za majisafi.
2. Jaza kabisa bomba kwa maji safi ukiongeza mililita 10 ya **'AGRAL 90'** kwa kila mjazo wa Lita 20 za maji. Fanya hivyo tena, toa uchafu nje ukifuata kama maelezo ya 1.
3. Rudia kama 2 juu.
4. Jaza tena na maji safi na kuviacha usiku kucha. Toa nje uchafu na kuutupa kama maelezo ya 1.

MUHIMU: Jiepushe matumizi ya dawa zaidi ya **'AGRAL 90'** kupita kiasi kwani jambo hili laweza kujenga mapovu katika tanki la bomba.

TAHADHARI WAKATI WA MATUMIZI
- Usivute sigara usinywe, wala usile wakati unatumia dawa hii.
- Chunga isiingie machoni. Vaa miwani ya kukinga macho unapotumia dawa hii.
- Epukana na mvuke wa dawa hii, na kujiweka wazi kwenye **'AGRAL 90'**. Vaa glovu za mkono za raba, vaa kizuizi cha Pua na mdomo. Vaa nguo za kujikinga kama shati la mikono mirefu, suruali ndefu na gam buti za raba unapotumia **'AGRAL 90'** hii.
- Baada ya kutumia **'AGRAL 90'**, oga mwili na uoshe nguo zako za kazi.

KUHIFADHI
Hifadhi ndani ya chombo chake halisi kilichofungwa vizuri mbali na watoto, chakula, vinywaji na chakula cha mifugo. Hifadhi **'AGRAL 90'** mahali baridi, pakavu na panapopitisha hewa safi, na palipofungwa na kufuli. Ikihifadhiwa katika hali hii muda wake wa kudumu ni miaka 2.

KUTUPA
'AGRAL 90' ya ziada kama haikutumika itupwe kwenye jaa lililoidhinishwa la kutupa madawa ya sumu ya kuangamiza wadudu waharibifu, ama izikwe mahali salama mbali na vyanzo vya maji. Usitumie chombo kilichokwisha dawa kwa matumizi mengine yoyote. Dndoa dawa vote kwenye vyombo

IKIMWAGIKA AMA IKIVUJA
Ondoa mchanga wa juu ulioingia **'AGRAL 90'** na uuzike pahali salama mbali na vyanzo vya maji na makao ya watu.
Ikimwagika: Inyonye kwa kuimwagia mchanga, unga wa mbao, udongo au kifaa cha kuinasa. Kusanya kwa makini vitu vilivyo ingia dawa na uvizike pahali salama ama tupa ndani ya pipa au mifuko ya plastiki, weka alama na utupe ndani ya shimo la kutupa madawa ya sumu lililoidhinishwa. Safisha kwa maji eneo lililomwagikiwa na **'AGRAL 90'** Dawa iliyomwagika isitumiwe tena.

MAZINGIRA NA MBUGA ZA WANYAMA
Usichafue njia za maji kwa kutupa ndani uchafu wa **'AGRAL 90'**. Weka mifugo mbali na maeneo yaliyowekwa **'AGRAL 90'**.

MAAGIZO YA HUDUMA YA KWANZA
Kama unashuku kuadhiriwa na sumu, ita daktari mara moja.
Ikiwa imeingia ndani ya macho: Osha macho na maji mengi kwa angalau dakika 15. Ikiwa mwasho utaendelea, wasiliana na daktari mara moja.
Ikiwa imegusa ngozi: Osha ngozi ilio ingia dawa kwa sabuni na maji mengi. Toa nguo zilizomwagikiwa na dawa. Ikiwa mwasho wa ngozi utaendelea, onana na daktari mara moja.
Ikimezwa: Ipunguze nguvu ya dawa iliyomezwa haraka kwa kumnywesha mgonjwa maji mengi. Usimfanye mgonjwa atapike. Peleke mjeruhi kwa daktari
Ikipumuliwa: Mweke mgonjwa kwenye hewa safi. Wasiliana na daktari mara moja.

MAELEZO YA SUMU
Dalili za sumu: Hakuna dalili maalum.
Dawa ya kuvunja nguvu za sumu : Hakuna dawa maalum inayojulikana ya kuvunja nguvu za sumu hii.
Maelezo kwa daktari: Tibu kulingana na vile anavyojisikia. Piga simu isiyo na malipo wakati wa shida: 00800720021 na 00800730030 (masaa 24)

ILANI KWA MTUMIAJI
Dawa hii sharti itumiwe kulingana na maagizo yaliyo kwenye kibandiko. Ni hatia chini ya Sheria za Madawa ya kuangamiza wadudu waharibifu kutumia au kuhifadhi dawa hii katika hali isiyo salama.

THIBITISHO
Dhamana ya muuzaji ni maelezo yaliyo kwenye kibandiko ambayo ni lazima yafuatwe kikamilifu. Mnunuzi lazima akubali hatari zozote zinazoweza kutokana na matumizi ya dawa hii kwa binadamu au mali na lazima aikubali dawa hii katika hali hiyo.

DESCRIPTION

'AGRAL 90' is a non-ionic liquid wetting and spreading agent which can be mixed with a spray mixture without affecting its chemical properties. It aids the wetting of waxy leaf surfaces, insects and fungi and by spreading the spray more evenly over the leaf surface improving the efficiency of the spray. It also helps to ensure thorough washing out of spray machinery

DIRECTIONS FOR USE

1. As a wetting agent

'AGRAL 90' may be mixed with any spray for which an additional wetter is recommended to improve its wetting or spreading properties in certain situations. Always consult the appropriate product label before use. It is suitable for dilution with both hard and soft water. Add the required quantity of **'AGRAL 90'** to the spray fluid and agitate thoroughly.

Conditions	Application rate in 20litres spray
For use with 'Gramoxone'*	10 ml
For use with 'Duduthrin' on Market Brassicas	6 ml

*Use when 'Gramoxone' is being sprayed at 2 litres /ha (200ml /20litres) or less.
Gramoxone is a trade mark of Syngenta

2. For cleaning out spray machinery and knapsack sprayer.

All equipment must be thoroughly washed out after using agrochemicals. Traces of selective and other weed killers left in spraying machinery can damage later treated crops. Always decontaminate sprayers after use according to any special instructions given by the manufacturer(s) of the product(s) just applied. **'AGRAL 90'** will help to decontaminate sprayer tanks, pumps and lines. Use as follows

1. Drain sprayer, then flush tank, boom and hoses with clean water disposing of all washings safely away from water courses.
2. Fill sprayer completely with clean water, adding **'AGRAL 90'** at 10ml per 20 L water. Recirculate, spray out; disposing of all washings as in (1) above.
3. Repeat (2) above.
4. Refill with clean water and leave overnight. Spray out and dispose of all washings as in 1 above.

NOTE: Avoid using excessive quantities of **'AGRAL 90'** as this may lead to frothing in the spray tank.

Handling Precaution

Observe the safety precautions of the product with which **'AGRAL 90'** is being mixed. Do not smoke, drink or eat while using **'AGRAL 90'**

For safety when mixing

Wear eye protection (at least glasses). Undiluted **'AGRAL 90'** can irritate the eyes. If splashed into eyes, wash it out at once. Wear rubber gloves. Undiluted **'AGRAL 90'** can irritate the skin.
If splashed onto skin, wash it off at once.
If spilt on clothes, change and wash them.

STORAGE

Store in original, tightly closed container away from children, food, drinks and livestock feedstuffs. Store in a cool, dry and well ventilated area under lock and key. Keep in a cool dark place away from sparks and flames. Extinguish fire with dry chemicals, foam or water spray. Do not use water jet. Avoid exposure to direct sunlight, heat and fire. Kept under these conditions, the shelf life of **'AGRAL 90'** is 2 years from the date of manufacture.

Disposal

Surplus product, if unused should be disposed off on a landfill site approved for pesticides or buried in a safe place away from water sources. Do not use empty container for any other purpose. Empty containers are to be flattened, perforated, and disposed off on a landfill site or buried in a safe place away from water sources.

Spillage and Leakage

Remove contaminated soil layer and bury in a safe place away from water sources.
Soak up with sand, sawdust, soil or binding agent. Collect the contaminated material thoroughly and buried in a safe place or put it in a waste bin or a plastic bag, mark it and dispose off on a landfill site approved for pesticide. Contaminated sawdust to be burnt away from human dwellings. Clean spilled area with plenty of water. Spilt product must not be re-used.

ENVIRONMENT AND WILDLIFE

Do not contaminate water sources and supplies by disposal of product waste. Keep livestock out of treated areas.

FIRST AID INSTRUCTIONS

In case of eye contact: Flush the eyes with running water for at least 15 minutes while holding eyelids open to help flush out material. Contact a physician immediately.
In case of skin contact: Wash contaminated skin with soap and plenty of water. Remove contaminated clothing. If skin irritation persists, contact a physician immediately.
Ingestion: Rinse mouth. Never induce vomiting in unconscious or confused person. Contact a physician immediately.
Inhalation:- move the patient to fresh air. Consult a physician immediately

TOXICOLOGICAL INFORMATION

Symptoms of poisoning: Symptoms of poisoning may include respiratory difficulty, nausea and general body weakness.
Antidote : No specific antidote is known.
Notes to Physician:-Remedal measures:- **'AGRAL 90'** contains aromatic solvents. Perform gastric lavage taking care to prevent aspiration of gastric contents. Then treat symptomatically. In case of an emergency, call Toll free Nos: 00800720021 and 00800730030 (24hrs)

NOTICE TO USER

This pest control product is to be used only in accordance with the directions on this label. It is an offence under the Pest Control Products Act to use or store a pest control product under unsafe conditions.

WARRANTY

Seller's guarantee is limited to the terms set out on the label and subject thereto, the buyer assumes the risk to persons or property arising from the use or handling of this product and accepts the product on that condition.