



# Garland 20 SP

**DESCRIPTION:** Garland 20 SP is an insecticide for the control of Thrips in Roses, French Beans and Carnations.

**Mode of action:** Garland 20 SP contain Cyromazine which is act by contact action, which interferes with moulting and pupation leading to stunted growth in the lifecycle leading to death of the insect.

**Mixing Instructions:** half fill the spray tank with water. Add the required amount of GARLAND 20SP then fill the water to the required level and agitate thoroughly to uniformity. Spray immediately after mixing.

## DIRECTIONS OF USE:

Crop	Pests	Application Rate, spray volume / 20L	Timing And Frequency Of Application
Roses		750 g/Ha /1000 litres of water (15g / 20Litres)	Spray <b>Garland 20 SP</b> when the first appearance of the pests and repeat at 10 days' interval if necessary. Apply maximum of three sprays.
French Beans	Thrips	500 g/Ha /1000 litres of water (10g/20Litres)	
Carnations		750 g/Ha/1000 Litres of water (15g/20 litres)	

**Re-entry period:** 6 hours. **PHI** - 3 days - French beans

**Phytotoxicity:** Always do a small test for varietal tolerance before large scale application.

**Resistance Management:** repetitive / continual use of **GARLAND 20SP** can lead to pest resistance. It is recommended that **GARLAND 20SP** be alternated with pesticides with different **MODES OF ACTION** as well as adhere to good agricultural practices.

**HAZARD:** harmful if swallowed, contact with the skin or inhaled, may cause skin irritation, serious eye irritation and respiratory irritation.

**PRECAUTIONS:** Avoid inhalation and contact with skin or eye by wearing protective clothing including impervious clothing, headgear, chemical resistant gloves and masks AIP2. Do not eat, drink or smoke when handling the product. Avoid spraying in wind weather and do not inhale spray mist. Wash body and clothing with plenty of water and soap after application.

**When Mixing:** Avoid body contact from spray mixture by spillage or drift. Wear protective clothing including impervious clothing, chemical resistant gloves, headgear and masks AIP2.

**When Spraying:** Wear full protective clothing including impervious clothing, chemical resistant gloves, headgear and masks AIP2. Spray in the direction of the wind.

**After Spraying:** wash the gloves (while wearing them) then remove the rest of the PPE. Wash and clean the PPE and spraying equipment with the gloves on. Remove the gloves, wash hands and body thoroughly after spraying. Do not reuse empty container. Dispose the empty container safely.

**STORAGE:** Store in the original tightly closed container in a cool, dry well-ventilated place under lock and key so that unauthorized persons do not have access. Keep away from food, drink and animal feeding stuffs. Keep in a dark place. **KEEP OUT OF REACH OF CHILDREN.**

**DISPOSAL:** Triple rinse empty container and add washings/rinse off to spray mixture, then perforate or puncture holes on empty containers then deliver empty containers at an authorized county designated collection center. Do not pour rinsate into any drain or on any site in close proximity to human or animal habitation, water sources, water ways or water bodies. Do not reuse empty pesticide containers for any other purpose.

**Accidental Release:** Keep people away from the spill area, use personal protective equipment when cleaning up the spill. **DO NOT** wash away into sewer. **DO NOT** let this chemical enter the environment. Pour the contents of leaking container in empty container that originally held same product or put leaking container into a larger, clearly labelled, container, in case of larger spills sweep spilled substance gently into containers; if appropriate, moisten first to prevent dusting. Dispose of in accordance with National Legislation and Regulation on hazardous waste.

**ENVIRONMENTAL HAZARDS:** **Garland 20SP** is Very toxic to aquatic life, toxic to fish. Do not contaminate ponds, waterways or ditches by direct application, cleaning of equipment or disposal of waste. **Garland 20SP** is toxic to bees. **DO NOT** apply when bees are actively foraging.

**FIRST AID INSTRUCTIONS:** **Skin contact:** remove contaminated clothing and wash the skin immediately with soap and large amounts of water. Seek medical attention if symptoms persist. **Eye contact:** flush immediately with running water for at least 15 minutes, holding the eyelid(s) open. Remove contact lenses, if present, after the first 5 minutes. Obtain medical attention if irritation persists. **If ingested:** rinse mouth thoroughly with water if person is alert. Have a person drink plenty of water if able to swallow. Never give anything to an unconscious person. Do not induce vomiting unless instructed by to do so by qualified medical personnel. If vomiting occurs keep head lower than hips to prevent aspiration. Seek medical attention. **Inhalation:** Remove the source of contamination or move victim to fresh air. Administer artificial respiration if patient is not breathing if breathing is laboured give oxygen. Only qualified personnel should administer oxygen. **SEEK MEDICAL ATTENTION IMMEDIATELY.**

## TOXICOLOGICAL INFORMATION:

**Symptoms of poisoning:** Itching, reduced nasal ingestion, tightness in chest, palpitation and hypertension. Ingestion may produce nausea, vomiting and diarrhoea. Hypothermia and ataxia are characteristic.

**Ingredients that may affect treatment:** none of the inert ingredients is of toxicological concern.

**Antidote:** There is no specific antidote. Treat symptomatically and supportively.

**Notes to Physician:** If a large amount has been ingested and emesis is inadequate, lavage stomach. Treat symptomatically

**IN CASE OF POISONING CALL TOLL FREE EMERGENCY NO. 0800720021/0800730030 (24 HOURS)**

**NOTICE TO USERS:** 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.

**SELLERS GUARANTEE (WARRANTY):** Seller 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.

**MAELEZO: Garland 20 SP** ni kiuu dudu cha kudhibiti 'Thrips' kwenye Waridi, Mishiri na "Carnations".

**Inayofanya kazi:** **Garland 20 SP** ni kiuu dudu kinachofanya kazi kwa mguso inayoathiri 'moulting' na 'pupation' inayosababisha ukuaji wa kudumaa kwenye maisha ya wadudu inayosababisha kifo cha mdudu.

**Jinsi ya kuchanganya:** Tia maji nusu kwenye kifaa cha unyunyizi huku ukianza kukoroga. Tia kipimo hitajika cha kemikali huku ukiendelea kukoroga kisha uongeze maji mpaka kipimo kinachohitajika. Nyunyizia baada ya kuchanganya.

## VIPIMO VYA MATUMIZI:

Mmea	Wadudu	Vipimo vya matumizi; kiasi cha kemikali/20L za maji	Muda wa matumizi
Waridi		Gramu 750 /Ha /Lita 1000 (gramu 15/Lita 20)	Tumia wakati dalili za kwanza za wadudu zinapoonekana na kurudia baada ya siku 10 mara tatu kwa msimu.
Mishiri	"Thrips"	Gramu 500 /Ha/ Lita 1000 (gramu 10/ Lita 20)	
"Carnations"		Gramu 750 /Ha/ Lita 1000 (gramu 15/ Lita 20)	

**Muda salama wa kuingia palipo nyunyiziwa kemikali:** saa 6

**Muda salama wa kuvua paliponyunyiziwa kemikali:** Mishiri- siku 3

**Ustahimilivu:** inapendekezwa kuwa majaribio yafanywe kwa sehemu ndogo ya shamba ili kupima ustahimilivu wa mimea kwa kemikali kabla ya kutumiwa kwa shamba mzima.

**Kudhibiti usugu:** Ili kudhibiti usugu na ukinzani wa wadudu waharibifu inapendekezwa kuwa kemikali hii itumike kwa mabadilishano na kemikali zinazofanya kazi kwa njia nyingine pamoja na ukulima bora.

**HATARI:** kemikali hii inashukiwa kuathiri mtoto ambaye hajazaliwa, ni sumu ikimezwa au kupumiliwa; inasababisha mwasho kwa ngozi, macho na koo. Inaweza sababisha mzio kwenye ngozi.

**TAHATHARI:** Zuia kupumua kemikali ama kugusana na ngozi au macho kwa kuvaa mavazi ya kujikinga kama vile bwela suti, glavu zenye uwezo wa kuzuia kemikali na barakoa aina ya AIP2. Usile, kunywa wala kuvuta sigara unapotumia kemikali hii. Usinyunyizie kemikali wakati kuna upepo mkali na usipumue mvuke wa kemikali hii. Wakati wote unapochanganya ama kunyunyizia kemikali, oga mwili na uoshe nguo kwa maji na sabuni.

**Wakati wa kuchanganya:** Jihadhari kushika vumbi au kupumua mvuke wa kemikali unapochanganya kwa kuvaa mavazi ya kujikinga kama vile bwela suti, glavu zenye uwezo wa kuzuia kemikali na barakoa aina ya AIP2.

**Unaponyunyiza:** Vaa kinga maalum kwa kuvaa mavazi ya kujikinga kama vile bwela suti, glavu zenye uwezo wa kuzuia kemikali na barakoa aina ya AIP2 ili kujihadhari kupumua mvuke wa kemikali. Nyunyizia kuelekeza upande wa upepo.

**Baada Ya Kutumia:** Osha glavu (zikiwa mikono bado) kisha utoe mavazi ya kinga yaliyobaki. Ukiwa na glavu bado mkononi, osha mavazi haya na vyombo vya unyunyizi. Toa glavu hizo kisha unawe mikono na mwili vizuri baada ya kunyunyiza. Usitumie mikoba mitupu kwa kazi nyingine yoyote. Tupa vyema mikoba mitupu.

**UHIFADHI:** Hifadhi kemikali hii katika chombo chake halisi kilichofunikwa kamili pahali palipofungwa ili kuzuia ufikiaji ambao hujaidhinishwa ambapo ni pakavu, penye hewa safi na pasipo na joto jingi. Weka mbali na chakula, vinywaji na vyakula vya wanyama.

**UTUPAJI:** Suuza mkoba mara tatu ukimwaga msuuzo kwenye bomba la unyunyizi kisha utoboe na ubonde mkoba huo tupu wa kemikali kabla ya kuzipeleka kwenye sehemu maalum zilizotengwa na serikali za kaunti kwa mujibu wa sheria zilizowekwa. Usimwage msuuzo huo kenye njia za maji, karibu na makazi ya binadamu au wanyama, chemichemi za maji mito au mabwawa. Usitumie mkoba huu kwa kazi nyingine yoyote. Usitumie mikoba hii kwa kazi nyingine yoyote.

**IKIMWAGIKA:** Hakikisha watu wako mbali au wasiingie sehemu zilizomwagika kemikali hii. Tumia magwanda maalum unaposafisha sehemu iliyomwagika kemikali hii. Usioshe kemikali hii kuelekeza madimbwi na mikondo ya maji wala kuiruhusu kupenya kwenye mazingira. Tia kemikali inayovuja kwenye mkoba mwingine uliohifadhi kemikali au tia mkoba unaovuja kwenye mkoba mwingine mkubwa uliohifadhi kemikali kama hii au safi kisha uweke maandishi ya utambuzi. Fagia kemikali hii na kulwela kwenye chombo chake; ikiwezekana tia unyevu ili kuzuia kutapakaa kwa kemikali. Tupa kulingana na sheria na kanuni zilizoko za nchi.

**MADHARA KWA MAZINGIRA:** Kemikali hii ni sumu kwa samaki na viumbe vya maji. Usichafue vidimbwi na mikondo ya maji. **Garland 20SP** ni sumu kwa nyuki. Tahadhari kutumia kemikali hii mahali palipo na nyuki.

## MAELEZO YA HUDUMA YA KWANZA

**Ikiuswa:** toa mavazi yaliyo na kemikali. Osha palipomwagikiwa na kemikali kwa sabuni na maji mengi. Maumivu yakizidi pata ushauri wa daktari. **Ikiingia kwenye macho:** Osha macho kwa maji mengi yanayotiririka kwa muda wa dakika 15. Toa miwani baada ya dakika 5. Pata ushauri wa daktari maumivu yakizidi. **Ikimezwa:** suuza mdomo kwa maji ikiwa bado ana fahamu. Mwache mgonjwa akunywe maji mengi kama anaweza meza. Usimtapishe mgonjwa isipokuwa ukiwa umeshauriwa na daktari. **Ikivutwa:** Mpeleke majeruhi mahali penye hewa safi ama uondoe kemikali. mpe mgonjwa hewa kwa mdomo iwapo hapumui; iwapo ana ugumu wa kupumua mpe oksigeni. Watu wanaoweza kupeana hewa ndio wanafaa kumsaidia mgonjwa. Pata ushauri wa daktari.

**MAELEZO KUHUSU SUMU**

**Dalili ya Sumu:** husababisha mwasho, shida ya kupumua, maumivu ya kifua na shinikizo la damu. Ikimezwa inaweza sababisha kichefuchefu, kutapika na kuendesha. Dalili nyingine ni "hypothermia" na "ataxia".

**Tiba maalum:** kemikali hii haina tiba maalumu.

**Viungo vinavyoweza zuia matibabu:** viungo ajizi vya kemikali hii havizui matibabu.

**Maelezo Kwa Daktari:** iwapo kipimo kikubwa cha kemikali kimemezwa na hali ya kutapika haisaidii, mpe mgonjwa maji kuosha tumbo. Tibu kulingana na dalili zinazoonekana.

**IWAPO KUNA KUSUMIKA, PIGA SIMU YA DHARUA NA ISIYO YA MALIPO: 0800720021/0800730030 (inapatikana kwa saa 24)**

**ILANI KWA MTUMIAJI:** Kemikali hii sharti itumiwe kulingana na maagizo yaliyo kwenye kibandiko. Ni hatia chini ya sheria za kemikali za kuangamiza wadudu waharibifu kutumia au kuhifadhi kemikali hii katika hali isiyosalama.

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