# Buggy<sup>®</sup> SG

A water soluble granule containing 360 g/kg glyphosate (acid equivalent).

A foliar applied systemic herbicide for the control of annual and perennial grasses and broad-leaved weeds before sowing or planting various crops and stubbles of all crops and on setaside. For use pre-harvest in winter and spring wheat, oats and barley and certain other crops, destruction of grassland and in orchards and forestry. For use on or near water.

#### DANGER



Keep out of reach of children.

Do not eat, drink or smoke when using this product.

Wear protective gloves/clothing and eye/face protection.

IF IN EYES, Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Collect spillage.

PCS No. 02504

Safety data sheet available on request

To avoid risks to human health and the environment comply with the instructions for use

For 24 hour emergency information Telephone +44 (0)1763 212100

#### **SAFETY PRECAUTIONS:**

### **Operator Protection**

WEAR SUITABLE PROTECTIVE GLOVES.

WEAR EYE/FACE PROTECTION.

CAUSES SERIOUS EYE DAMAGE.

HARMFUL EFFECTS TO AQUATIC

MAY CAUSE LONG LASTING

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

If swallowed, seek medical advice immediately and show this container or label.

#### **Environmental Protection**

Use appropriate containment to avoid environmental contamination.

This material and its container must be disposed of in a safe way.

Do not contaminate ponds, waterways or ditches with used container.

#### **Storage and Disposal**

KEEP IN ORIGINAL CONTAINER tightly closed in a safe place.

KEEP OUT OF REACH OF CHILDREN.

KEEP AWAY FROM FOOD, DRINK AND ANIMAL FEEDINGSTUFFS.

EMPTY CONTAINER COMPLETELY and dispose of safely.

#### SIPCAM UK CONDITIONS OF SUPPLY

All goods supplied by us are of high grade, but as we cannot exercise control over their mixing or use, all conditions and warranties, statutory or otherwise, as to the quality or fitness of our goods for any purpose, are excluded and no responsibility will be accepted by us for any damage or injury whatsoever arising from their storage, handling, application or use. Buggy is a trade mark of Sipcam-Oxon. Sipcam UK Limited, 4c Archway House, The Lanterns, Melbourn Street, Royston, Herts, SG8 7BX. Tel: +44 (0)1763 212100. Fax: +44 (0)1763 212101.

FOR USE ONLY AS AN AGRICULTURAL AMENITY AND INDUSTRIAL NON-SELECTIVE HERBICIDE			
Crop/Situation	Maximum	Maximum	Latest Time of Application
	Individual Dose	Number of	
	kg/ha	Treatments	
Wheat, barley and oats	4.0	One per season	7 days before harvest
Oilseed rape	4.0	One per season	14 days before harvest
Mustard	4.0	One per season	8 days before harvest
Field beans and combining	4.0	One per season	7 days before harvest
peas			-
Linseed	4.0	One per season	14 days before harvest
Stubbles	4.0	One per	2-5 days pre-drilling
		season	
Set-aside - Green cover	5.0	One per season	24 hours pre-cultivation
temporariliy removed from			
production			
Grassland Destruction	6.0	One per year	5 days before cutting/grazing
Non-crop areas	6.0	One per season	N/A
Apple, pear	5.0	One per season	After harvest but before green
		-	cluster stage
Cherry, damson, plum	5.0	One per season	After harvest but before white
			bud stage
Forestry	10.0	One per season	N/A
READ ALL PRECAUTIONS BEFORE USE			

MATERIAL SAFETY DATA SHEET
1. IDENTIFICATION OF SUBSTANCE, PREPARATION AND COMPANY
Product name – Buggy SG
Use – Herbicide.
Formulation Type – Water dispersible granule.
Supplier - Sipcam UK imited, 4C Archway House, The Lanterns, Melbourn Street,
Emergency phone of the fire 01763 212100.
2 HAZARDS IDENTIFICATION

Classification of mixture according to Directive 67/548/EEC or Directive 1999/45/EC

H318 Causes serious eye damage H413 May cause long lasting harmful effects to aquatic life. Additional information For the wording of hazard and precautionary phrases refer to section 15.

#### 3. COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous ingredients (according to Directive 1999/45/EC). CAS/EINECS R Phrases 1071-83-6/213-997-4 H318, H411 (present as ammonium salt of glyphosate (CAS 40465-66-5)

Additional information— For the wording of the listed hazard phrases refer to section 16. 4. FIRST AID MEASURES General information - Show this safety data sheet to the doctor Remove any clothing soiled by the product. After inhalation - Supply fresh air or oxygen; call for doctor

f breathing is irregular or stopped, administer artificial respiration **After skin contact** – The product is not skin irritating. After eye contact—Rinse opened eye for several minutes under running water. Then consult doctor. After swallowing – In case of persistent symptoms consult doctor. If swallowed, do not induce vomiting, seek medical advice immediately, show label or container. Information for doctor – No further relevant information available.

#### 5. FIRE FIGHTING MEASURES

**Suitable extinguishing media** – CO<sub>2</sub>, extinguishing powder or water jet. Fight larger fires with water jet or alcohol-resistant foam Special hazards arising from the substance or mixture – Formation of toxic gases is possible during heating or in case of fire. Can be released in case of fire: Nitrogen oxides (NO<sub>x</sub>) / Carbon monoxide (CO). Under certain conditions traces of other toxic gases cannot be excluded Protective equipment – Put on self-contained breathing apparatus.

DO not inhale explosion or combustion gases. Additional information - Cool endangered containers with water spray, Keep upwind 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures – Avoid causing dust. Wear protective equipment. Keep unprotected people away. Environmental precautions – Inform respective authorities in case product reaches water or Do not allow to enter drainage system, surface or ground water. Methods and material for

containment and cleaning up - Collect mechanically. Dispose of contaminated material as waste according to item 13. Ensure adequate ventilation See Section 7 for safe handling, 8 for personal protection equipment, 13 for disposal information.

7. HANDLING AND STORAGE Precautions for safe handling – Ensure good ventilation/exhaustion at the workplace. Prevent formation of dust, provide suction extractors if dust is formed. Keep ignition sources away

Conditions for safe storage, including any incompatibilities Storage: Requirements to be met by storerooms and containers – Keep container tightly sealed.

Do not smoke.

Store in cool, dry place. Store only in original container. Information about storage in one common storage facility - Not required. Further information about storage conditions – The product is hygroscopic, store under dry

#### 8. EXPOSURE CONTROL / PERSONAL PROTECTION

Components with limit values that require monitoring at the workplace – No data. The product does not contain any relevant quantities of materials with critical values that have to be monitored in the workplace. Personal protective equipment – The usual precautionary measures should be adhered to general rules for handling chemicals. Avoid contact with the eyes and skin Do not eat, drink or smoke while working

Keep away from foodstuffs, beverages and food. Take off immediately all contaminated clothing Wash hands during breaks and at the end of the work.

Breathing equipment – Breathing protection is recommended. Recommended filter device: Filter P1 Protection of hands – Protective rubber gloves. Eye protection – Safety glasses. **Body protection** – Protective work clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

Colour - White. Odour – Characteristic Royston SG8 7BX. pH value at 20°C. – 3.6(1% aqueous) Melting point or range - Not determined Boiling point or range - Not determined Flash point - Not applicable Self-inflammability – Product is not self-igniting. Danger of explosion – Product is not explosive Solid content – 100%

Solvent content - Organic solvents: 0% Solubility / Miscibility (water) - Soluble in wate Density - 0.7 g/cm<sup>3</sup> 10. REACTIVITY AND STABILITY

Thermal decomposition / conditions to be avoided

No decomposition if used according to specifications. Possibility of hazardous reactions - Reacts with acids Conditions to avoid – No further relevant information available Incompatible materials – No further relevant information available Hazardous decomposition products - Thermal decomposition products may include toxic and corrosive fumes of chlorides and toxic oxides of nitrogen

11. TOXICOLOGICAL INFORMATION LD/LC50 values that are relevant for classification -Formulated product Oral LD50 < 2000 mg/kg (rat) Dermal LD50 > 2000 mg/kg (rat)

Inhalation LC50/4 h > 5.7 mg/l (rat)

Eye Irritation – Irritant. 12. ECOLOGICAL INFORMATION Aquatic toxicity (formulated product) Fish LC50: >100 mg/l Daphnia LC50: >100 mg/l

Mobility in soil – Strongly absorbs to soil

Active substance

Hazard-determ components of labelling:

16. OTHER INFORMATION

H Phrases referenced in section 3

Skin Irritation – No irritant effect.

Algae EC50: >100 mg/l Other toxicity (active substance Bird LC50: >3851 mg/kg Bee LD50:  $>100\mu$ g/bee Persistence and degradability - Not persistent in water, moderately persistent in soil Bio accumulative potential - Does not bioaccumulate

Notes – Do not allow product to reach groundwater, water bodies or sewage system.

Waste or used preparation -Use specialist waste contractor in accordance with local regulations Do not contaminate ponds, waterways and ditches with product or used container Disposal of packaging – Use specialist waste contractor in accordance with local regulations. Do not dispose in household garbage. Do not re-use empty containers

14. TRANSPORT UN-Number (ADR, IMDG, IATA) - 3077 Proper shipping name (ADR, IMDG, IATA) – 3077 ENVIRONMENTALLY HAZARDOUS SUBSTANCE. SOLID, N.O.S. (Glyphosate)

Hazard class (ADR,IMDG, IATA) - Class 9 Miscellaneous Dangerous Goods Packing group (ADR, IMDG, IATA) - III Marine pollutant - Yes

**Special marking (ADR)** – Symbol (fish and tree) Special precautions (user) - Warning: Miscellaneous dangerous substances and articles. Kemler Number - 90 EMS Number - F-A,S-F 15. REGULATORY INFORMATION

May cause long lasting harmful effects to aquatic life. Do not eat, drink or smoke when using this product. Wear gloves, protective clothing and eye/face protection.

IF IN EYES, Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

H411 Toxic to aquatic life with long lasting effects. Prepared by Sipcam UK Ltd to the best of our current knowledge and information No responsibility is accented that the information will be sufficient or correct in all cases, January 2015

**Net contents:** 

SIPCAM U.K.

## Buggy SG

**DIRECTIONS FOR USE: READ CAREFULLY** 

BUGGY SG is water soluble granule formulation of glyphosate as the ammonium salt. Foliar applied, post weed emergence, BUGGY SG is systemic and moves to the actively growing parts of the plant causing leaf and root die back.

Sowing or planting of all edible or non edible crops may be carried out at specified intervals after application of BUGGY SG.

For Best Results:

1. Ensure weeds are actively growing. For perennial grass weeds, leaf emergence must be complete, with active, green and healthy leaf growth at application. Common couch becomes susceptible when tillering, when rhizome growth starts, usually when plants have 4-5 leaves each with 10-15 cm of new leaf. The majority of perennial broad-leaved weeds are most susceptible around flowering. Annual grasses should have at least 5 cm of leaf and broad-leaved weeds at least 2 expanded true leaves. Do not treat weeds subject to senescence, drought, high temperature, frost, flooding or a covering of dust. 2. Do not spray if rainfall is expected within 6 hours of proposed application time; a period of 24 rainfree hours after application is preferable.

3. Extreme care should be taken to avoid spray drift as this can severely damage or destroy neighbouring crops or plants. 4. Fertilisers or other pesticides should not be applied for at least 5 days before and after application.

5. A slight check to crop growth may occur where crop seed germination occurs in the presence of a mass of decomposing foliage, roots, rhizomes or stolons, especially when direct drilled. Decaying organic matter should be dispersed or buried by thorough cultivation. Having consolidated loose soils,

ensure adequate fertilisation, disease and insect control in following crops, especially after grassland destruction. 6. It is important that all weeds are at the correct growth stage when treated otherwise some re-growth may occur and this will need re-treatment.

BUGGY SG can be used for weed control in winter and spring wheat, oats and barley, oilseed rape, linseed, field beans and peas, stubbles of all crops, set-aside land temporarily removed from production, non crop areas, around the farm, in orchards and forestry, for the destruction of grassland and for the control of emergent and floating aquatic weeds. DO NOT USE in areas other than those specified on the label. DO NOT USE IN CROPS GROWN FOR SEED. When used as directed, BUGGY SG may be applied to all crops destined for feed and to wheat and oats destined for milling. Effects on brewing and breadmaking have not been tested. Consult your grain merchant or processor before use.

Weed	BUGGY SG Rate	Water Volume
Common Couch	2.0 kg/ha (populations up to 25/m² 3.0 kg/ha (populations 27-75/m² 4.0 kg/ha (populations above 75/m²	80-250 l/ha
Other Perennial Grasses and Perennial Broad-Leaved weeds	4.0 kg/ha	80-250 l/ha
Harvest Management: Annual Grasses, Cereal Stems and leaves Annual Broad-Leaved weeds	1.0* kg/ha 1.5 kg/ha	80-250 l/ha 80-250 l/ha

\* The 1 kg/ha rate is recommended only for pre-harvest clean-up to ease harvesting

\* For the lower rates (1.0, 1.5 and 2.0 kg/ha) it is recommended to use an authorised adjuvant for optimum results (see 'Compatibilities' section).

PRE-HARVEST wheat, barley and oats

Apply when grain moisture content is below 30% not less than 7 days before harvest. When using the 1.0 kg/ha (Harvest Management) rate, apply up to 14 days before harvesting volunteer wheat and wheat crops; where dull weather follows

spraying, delay harvesting until 14 days after application, particularly when controlling broad-leaved weeds.

1. Use sprayers with high clearance, fitted with crop dividers and row-crop wheels.

2. After harvest, chop/incorporate or remove straw as required.

3. Treated straw should not be used as a horticultural mulch. Normal cultivations may be made after straw removal

4. Volunteer potato, annual nettle, rosebay willow herb and Polygonum species will not be susceptible at the 1.5 kg/ha (Harvest Management) rate. Number of Treatments:

A maximum of one application per crop is permitted.

PRE-HARVEST oilseed rape and mustards

The HARVEST onseed tape and mastards		
Weed	BUGGY SG Rate	Water Volume
Crop Desiccation and annual weeds	3.0 kg/ha	100-250 l/ha
Common Couch	3.0 kg/ha (populations up to 75/m² 4.0 kg/ha (populations above 75/m²	100-250 l/ha
Other Perennial Grasses and Perennial Broad-leaved weeds	4.0 kg/ha	100-250 l/ha

**Application Timing:** 

Apply when seed moisture content is less than 30%. Apply only to standing crops at these harvest intervals:

Oilseed rape - 14 to 21 days. Mustard - 8 to 10 days.

1. Use sprayers with high clearance, fitted with crop dividers and row-crop wheels, and wide booms. 2. For effective combining, DO NOT treat crops having secondary regrowth at significant levels.

3. Do not treat late maturing areas of crops caused by pigeon damage, poor drainage etc. 4. Oilseed rape crops suffering from stress factors may not mature evenly.

5. After harvest, chop/incorporate or remove straw as required. 6. Normal cultivations may be made after straw removal.

Number of Treatments: A maximum of one application per crop is permitted.

PRE-HARVEST field beans and peas for combine harvesting

Weed	BUGGY SG Rate	Water Volume
Common Couch	3.0 kg/ha (populations up to 75/m² 4.0 kg/ha (populations above 75/m²	80-250 l/ha
Other Perennial Grasses and Perennial Broad-leaved weeds	4.0 kg/ha	80-250 l/ha

**Application Timing:** Apply when crop seed moisture content is less than 30%, at least 7 days before harvest.

1. This treatment cannot be used as a crop desiccant

2. Use sprayers with high clearance, fitted with crop dividers and row-crop wheels, and wide booms. 3. Do not treat crops grown for seed. Number of Treatments

A maximum of one application per crop is permitted

PRE-HARVEST linseed

Weed	BUGGY SG Rate	Water Volume
Crop Desiccation and prior to direct combine harvesting and annual weeds	3.0 kg/ha	80-250 l/ha
Common Couch	3.0 kg/ha (populations up to 75/m² 4.0 kg/ha (populations above 75/m²	80-250 l/ha
Other Perennial Grasses and Perennial Broad-leaved weeds	4.0 kg/ha	80-250 l/ha
Application Timing:		

Apply when crop seeds have less than 30% moisture content. Accurate measurements of moisture content must be made. Apply 14 days or more before harvest. A delay of up to 28 days after spraying may be necessary prior to combine harvesting. Where application takes place late in the autumn it must be checked that weeds are still susceptible (see earlier section 'For Best Results')

1. Use sprayers with high clearance, fitted with crop dividers and row-crop wheels, and wide booms.

2. After harvest, chop/incorporate or remove straw as required. 3. Normal cultivations may be made after straw removal.

**Number of Treatments:** A maximum of one application per crop is permitted.

ALL EDIBLE AND NON EDIBLE CROPS (STUBBLE) - AUTUMN or SPRING

Weed	BUGGY SG Rate	Water Volume
Common Couch	3.0 kg/ha (populations up to 75/m²	80-250 l/ha
	4.0 kg/ha (populations above 75/m²	
Other Perennial Grass	4.0 kg/ha	80-250 l/ha
Volunteer Potato (autumn only)	4.0 kg/ha	80-250 l/ha

**Application Timing:** 

Apply not less than 5 days before drilling or cultivating. Volunteer potatoes should have produced ample haulm growth before spraying. Weeds should have grown actively for at least 21 days before spring applications.

N.B. Do not cultivate before spraying. Number of Treatments

A maximum of one application per use situation is permitted.

ALL EDIRLE AND NON EDIRLE CROPS (STUBBLE) or PRE-CULTIVATED - AUTUMN or SPRING

ALE EDIBLE AND NON EDIBLE CROPS (STOBBLE) OF PRE-COLITIVATED - ACTOMIN OF SPRING			
Weed	BUGGY SG Rate	Water Volume	
Volunteer Winter and spring wheat, oats and barley	31.5 kg/ha*	80-250 l/ha	
Annual Grasses	1.5 kg/ha*	80-250 l/ha	
Annual Broad-Leaved weeds	1.5 kg/ha*	80-250 l/ha	

\* For best results an authorised surfactant should be tank-mixed, as specified under "Compatibilities". **Application Timing** 

**Number of Treatments:** 

Apply not less than 2 days before direct drilling and not less than 24 hours before cultivation. A maximum of one application per use situation is permitted.

SET ASIDE – GREEN COVER ON LAND NOT BEING USED FOR CROP PRODUCTION			
Weed	BUGGY SG Rate	Water Volume	
Before and during set-aside:			
Annual weeds (autumn/spring of first year)	1.5 kg/ha	80-250 l/ha	
Annual weeds (summer of first year and applications)	3.0 kg/ha	80-250 l/ha	
Common Couch	3.0 kg/ha (populations up to 75/m²) 4.0 kg/ha (populations up to 75/m²)	80-250 l/ha 80-250 l/ha	
Perennial broad-leaved weeds and other perennial grasses	4.0 kg/ha	80-250 l/ha	
At the end of set-aside:			
Green cover with annual species only	3.0 kg/ha	150-250 l/ha	

4.0 kg/ha

5.0 kg/ha

150-250 l/ha 150-250 l/ha

Green cover with perennial broad-leaved weeds

**Application Timing:** Weeds should have grown actively for at least 21 days before spring applications. Perennial weeds – apply not less than 5 days before drilling or cultivating.

Annual weeds - apply not less than 24 hours before cultivation.

1. Ensure that all management rules are followed prior to use on land taken out of production as part of a grant aided scheme. 2. Do not top or cultivate before spraying. 3. Do not direct drill after set-aside.

Green cover with perennial grasses

Number of Treatments: A maximum of one application per use situation is permitted. NIONI-CROP AREAS

ION-CROP AREAS		
Weed	BUGGY SG Rate	Water Volume
Annual weeds	1.5 kg/ha	80-250 l/ha
Perennial grasses	4.0 kg/ha	80-250 l/ha
Perennial broad-leaved weeds	6.0 kg/ha	80-250 l/ha

**Application Timing:** 

Apply as and when required, for example, to clear land prior to sowing; to control weeds along fences, around buildings, stackyards, storage yards, along roads, paths and ditch edges; to control regrowth in areas of root crop storage.

N.B. DO NOT USE IN OR ALONGSIDE HEDGEROWS OR BENEATH POLYTHENE OR GLASS.

GRASSLAND – SWARD DESTRUCTION AND CONTROL OF ASSOCIATED WEEDS Water Volume **Use Situation** BUGGY SG Rate Ryegrass in short-term ley with 3.0 kg/ha Annual Meadow-grass • Common Chickweed • Common Mouse-ear annual weeds Dock Seedlings • Italian Rye-grass • Mayweed species • Meadow Fescue Meadow Foxtail • Rough Meadow-grass • Speedwell species • Timothy 2-4 year old leys with 4.0 kg/ha 150-250 l/ha Black-Bent • Broad-leaved Dock • Cock's-foot • Common Bent perennial grass weeds Common Couch • Creeping Bent • Creeping Soft-grass • Curled Dock Perennial Rye-grass • Plantains • Soft Brome • Yorkshire Fog 150-250 l/ha 4-7 year old leys with 5.0 kg/ha Bracken\* • Common Nettle • Common Sorrel • Creeping Buttercup\*\* Creeping Thistle • Daisy • Dwarf Thistle • Perennial Sow-Thistle • Red Clover perennial broad-leaved weed: Sedges • Sheep's Sorrel • Soft Rush • Spear Thistle • Tufted Hairgrass • Yarrow Common Ragwort • Hard Rush • Heath Rush • jointed Rush Permanent pasture 6.0 kg/ha 150-250 l/ha Molinia (Purple Moor-grass) • Nardus (Mat-grass) • Red Fescue • White Clover\*\*

\* Apply when fronds have fully expanded. \*\* Important to treat at correct growth stage.

Do not top-dress grass with lime or fertiliser prior to BUGGY SG application. Apply BUGGY SG between June and October, before grazing or cutting, when crops are 30-60 cm tall and not dense, before maturation of any seeds.

Spray regrowth after grazing or mowing.

1. Grass may be used 5 days after treatment.

2. Livestock may graze or be fed treated forage

3. Poisonous plants must be removed before grazing or mowing. 4. Once cleared of grass crops, the field may be cultivated for the next crop.

5. Direct drill grass and clover after application in the following situations ONLY: i) In leys of 1-2 years, lacking mat, 5 days after application; remove all surface trash before drilling.

or ii) In long leys with some mat, after autumn application; delay drilling until the following spring.

A maximum of one application per year is permitted.

PRCHARDS – weed control in apple, pear, plum, cherry or damson  Weed  BUGGY SG Rate  Water Volume			
Pre-planting		vvater volume	
Perennial Grasses and Broad-leaved weeds After arable stubbles After pastures	4.0 kg/ha	80-250 l/ha	
Within Orchards			
Perennial Grasses and Broad-leaved weeds Root Suckers	5.0 kg/ha 5.0 kg/ha	200-400 l/ha 200-400 l/ha	

**Application Timing:** 

For Pre-plant application spray when weeds are actively growing (see For Best Results section) Allow 7 days after application before planting. Spray after trees have lost all their leaves in autumn and before green cluster in apples and pears or before white bud stage in plum, cherry and damson. For Root Suckers, spray in later spring only.

1. Trees must have been established 2 years before spraying. 2. Avoid contact with tree branches and trunks above 30 cm from the ground.

Number of Treatments A maximum of one application per crop is permitted.

**FORESTRY** 

Weed	BUGGY SG Rate	Water Volume		
Pre-planting				
Arable weeds	4.0 kg/ha	80-250 l/ha		
Grassland weeds	5.0 kg/ha			
Post planting (directed)	Post planting (directed)			
Annual and perennial grasses, Heather (peat soils)	4.0 kg/ha	80-100 l/ha		
Broad-leaved and woody weeds (not Rhododendron)	3.0 kg/ha	80-100 l/ha		
Heather (mineral soils)	6.0 kg/ha	80-100 l/ha		
Rhododendron	10.0 kg/ha	80-100 l/ha		
Application to stumps for chemical thinning				
Deciduous trees	10% Solution of BUGGY SG in water			
Coniferous trees	20% Solution of BUGGY SG in water			

1. PRE-PLANTING – Apply at least 7 days before planting.

2. POST PLANTING (Directed) – Bracken should be treated after frond tips have unfurled but before senescence. Heather should be treated late August to the end of September.

All other woody weeds should be treated June to August before leaf senescence but after new growth of the crop has hardened.

3. APPLICATION TO STUMPS FOR CHEMICAL THINNING - Apply to the surface as soon as possible but not later than 1 week after felling from November to N.B. The following methods of application are permitted: clearing saw fitted with Enso attachments; knapsack sprayer operated at low pressure; spot gun fitted with solid stream nozzle: paintbrush. When using knapsack sprayers it is essential to use a tree guard for all applications made in the growing season.

Conventional Hydraulic sprayers are recommended either tractor-mounted/drawn or for small areas Knapsacks may be used.

A 'medium' or 'coarse' quality spray is recommended with a spray pressure between 1.5 and 2.5 bars. Ensure spray equipment is in good order and spray

nozzles have been calibrated. Half fill the spray tank with water and under agitation add the required amount of BUGGY SG, complete adding the water to the recommended volume. Do not leave spray mixtures in the tank for long periods, and make sure tanks are well vented. N.B. Do not mix or apply BUGGY SG in galvanised or unlined mild steel containers or spray tanks.

INDUCTION HOPPER

When using a chemical induction bowl or hopper, open the flushing/rinsing system, followed by opening the valve for emptying the main bowl into the tank. Add Buggy SG with system set as described, and continue until the required amount has been put in

BUGGY SG is compatible with a range of adjuvants consult your distributor for details. Do not tank-mix with any other products. 1. To avoid the possibility of reduced levels of weed control, do not tank-mix with pesticides or fertilisers.

2. The use of adjuvants is restricted to arable application only.

Between the application of BUGGY SG and other pesticides, it is essential to thoroughly clean out the entire sprayer system, including the spray tank, pump(s), pipelines and nozzle or disc assemblies, using a recommended detergent cleaner. Any traces of herbicide left in the equipment may seriously damage or destroy crops sprayed later.

WEED RESISTANCE STRATEGY

There is a low risk for the development of weed resistance to 'BUGGY SG'. Growers are encouraged to implement a weed resistance strategy based on a) Good agricultural practices and b) Good Plant protection Practices by:

 Following label recommendations • The adoption of complimentary weed control practices · Minimising the risk of spreading weed infestations

• The implementation of good spraying practice to maintain effective weed control Using the correct nozzles to maximise coverage • Application only under appropriate weather conditions

• Monitoring performance and reporting any unexpected results to Sipcam UK Limited.' Strains of some annual weeds (e.g. black-grass, wild-oats, and Italian rye-grass) have developed resistance to herbicides which may lead to poor control. A strategy for preventing and managing such resistance should be adopted. This should include integrating herbicides with a programme of cultural control measures. Guidelines have been produced by the Weed Resistance Action Group and copies are available from the HGCA, CPA, your distributor, crop adviser or product manufacturer.