



# Product Application & Results

1997 American Blvd. • P.O. Box 5606 • De Pere, WI 54115-5606 • 920-337-2175 • Fax: 920-337-9410

## PRODUCT:

**BugGoo 520**

**Stock # UF520**

“New & Improved” since August 2013

**Description:** Thick, liquid highly concentrated bug remover formulated to cling to a vehicle’s surface to easily remove insects and bird dropping. Improved formula does not stain vehicles even if allowed to dry on surface and will re-wet easily and function normally. Mild ingredients are safe on all vehicle finishes. Very difficult bugs may require some scrubbing.

**Color:** Fluorescent Yellow Liquid

**Scent:** Mild Detergent

**Foaming Ability:** High

## **Features**

Ultra Concentrated

Super wetting and softening

Titratable

Solvent-free formula

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## **Benefits**

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Convenience and Value.

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Reduces Labor.

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Quickly determine dilution ratio.

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Easier on waxed finishes.

## **Application**

## **Dilution Ratios**

	<b><u>Strongest</u></b>	<b><u>Weakest</u></b>	<b><u>Average</u></b>
Low pressure spray: Bug gun systems, Trigger bottles or Pump-up Sprayer	1:20	1:70	1:40
For oxidized paint	1:40	1:100	1:60

BugGoo520 can be applied on hot surfaces and in the sun and it can be drawn direct by using single tip configuration.

Required strength of product dilution will vary depending on cleaning conditions and type and condition of equipment used.

## **Guidelines for Application**

**Water Quality:** Use SOFT WATER whenever possible.

**Solution** Dilute with cold to warm water.

## **Temperatures:**

**Dwell time:** Allow 2 minutes or more if possible. May be allowed to dry on surface. It will still perform even when dry.



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## Special Instructions

**Titration Chart:** Use the chart below with **“High Alkaline Titration Test Kit” T-102K** to determine strongest dilution ratios. Determine the water-blank to be subtracted from the titration prior to comparing to the following chart.

<b>Titration Chart For BugGoo 520 “New &amp; Improved”</b>	<b>Dilution</b>	<b>Drops</b>
This chart uses "High Alkaline Titrant" and water blank must be titrated to subtract from your drops before comparing to this chart.  Sample size = 1 tube	1:20	20
	1:25	16
	1:29	14
	1:33	12
	1:40	10
	1:50	8
	1:63	9
	1:80	5

**Titration Chart:** Use the chart below with **“Alkaline Titration Test Kit” T-100A** to determine weakest dilution ratios. Determine the water-blank to be subtracted from the titration prior to comparing to the following chart.

<b>Titration Chart For BugGoo 520 “New &amp; Improved”</b>	<b>Dilution</b>	<b>Drops</b>
This chart uses "Alkaline Titrant" and water blank must be titrated to subtract from your drops before comparing to this chart.  Sample size = 1 tube	1:50	40
	1:57	35
	1:63	33
	1:71	29
	1:80	26
	1:100	21
	1:120	18
	1:150	15

Normal clear PVC vinyl draw tubing (P20010002-100) should be used from the reservoir to the point of dilution.



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**Viscosity – temperature relation.**

Viscosity of this product will change with temperature according chart below (water viscosity at 72°F = 1 centipoises, cp). Because viscosity does changing with temperature, ADJUSTMENT of metering tips or pump setting is beneficial to keep similar flow of product through metering devices.

Temperature, °F	Viscosity, cp
40	105
50	68
60	46
70	33
80	24
90	19
100	15
110	12