

Piper L4B - GF-EGI

Supplement to Weight and Balance Report - Crop Sprayer

Equipment Installed to Prairie Flying Service Drawing One

Item	Weight	Arm	Moment
Weight Empty - Standard	756	15.1	11415.5
Pump and Mounting	16	9.0	144
Tank and Stand	34	36.0	1224
Booms and Attachments	11	32.5	357.5
Less rear seat	- 9	36.0	- 234
Weight empty - Crop Sprayer	808	15.97	12907

As Crop Sprayer, Empty C. of G. is 15.97" behind Datum

Typical Flight Loading as Crop Sprayer

Item	Weight	Arm	Moment
Crop Sprayer, Empty	808	15.97	12907
Pilot	170	9.0	1530
Fuel, min. (5.9 Imp. Gals.)	42.5	- 18.0	- 765
Oil (5/6 Imp. Gal.)	7.5	- 29.0	- 217
Spray Fluid (24.5 Imp. Glas. @ 7.76 lbs./gal.)	190	36.0	6840
Typical Loading as crop sprayer	1218	16.6	20295

As crop sprayer, with 24.5 Imp. Gals. of spray fluid in supply tank, 5.9 Imp. gals. of fuel in fuel tank and pilot, C. of G. position is 16.6" aft of datum.

Max. Permissible Gross Weight 1220 lbs.
C. of G. Limits (CAA Specification A691 (IV)) 10.6" to 22.7" aft of datum.

Notes

When operated as a crop sprayer, in order not to exceed the maximum permissible gross weight, the following conditions must apply on this aircraft:

- (a) The maximum load of spray fluid carried must not exceed 24.5 Imperial Gallons.
- (b) If a larger quantity of fuel is to be carried the spray fluid content must be reduced accordingly.

Note: Spray equipment weights and moment arms supplied by Prairie Flying Service.

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