Flocculant Dose Log

How-to guide: what the workbook does, how to use it and what every number means. mfgcalcs.com

Flocculant Dose Log

Work out the flocculant dose of every floc treatment from the pool volume and the label rate, check it against what the label permits, and cost the product and the water vacuumed to waste.

For: Pool service technicians, service managers and aquatic facility operators clearing cloudy water with flocculant.

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Quick start

1. On Setup, type your company, currency and water cost, list your pools with their volume, and your flocculants with their label rate, highest permitted multiplier, bottle size and price.
2. On Treatments, give each treatment a row: date, pool, product, severity factor, label adjustment and the water vacuumed to waste.
3. Fix anything the Check column names.
4. Open the Dashboard: flocculant by month, cost by pool, and any treatment over the label multiplier.

What is in the workbook

Start Here	Read this first: what the workbook does and how to use it.
Setup	Company, currency, water cost, the pools with their volume, and the flocculants with their label rate, permitted multiplier and price.
Treatments	One row per floc treatment: pool, product and multipliers in; dose, label check and cost out.
Dashboard	Flocculant used and treatment cost by month and by pool, and any dose over what the label permits.
Method	How every number is calculated, with assumptions, limits and sources.
Verify	Self-check: the workbook's formulas recomputed on fixed inputs against an independent reference.

What each number means

Quantity	How it is calculated	Units
Volume basis	Pool volume / 10,000.	10k gal
Label dose	Volume basis x label rate.	fl oz
Multiplier	Severity factor x label adjustment (blank adjustment = 1).	x
Dose	Label dose x multiplier.	fl oz

Quantity	How it is calculated	Units
Status	Out of limits when the multiplier is above the product's highest permitted multiplier; otherwise Within limits.	-
Bottles and product cost	Dose / bottle size; x bottle price.	-, currency
Water cost and treatment cost	Water to waste / 1,000 x water cost per 1,000 gallons; + product cost.	currency

Assumptions, limitations, sources and the self-check (the Verify sheet, which recomputes the workbook's formulas on fixed test inputs) are in the workbook. The last page shows the Dashboard with the example data for Bluewater Pool Service, a fictional business.

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Engineering estimates for planning and improvement work. Verify the results against your own process, data and standards before you rely on them.

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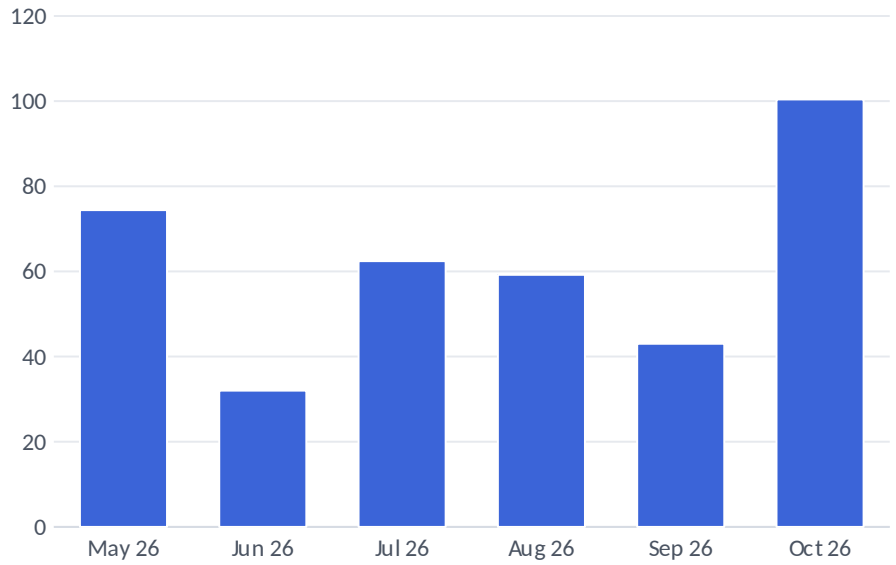
Flocculant used and treatment cost by month and by pool, and any dose over what the label permits.

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Bluewater Pool Service (example): 18 treatments on 8 pools, 44,200 gallons to waste. Amounts in USD.

TREATMENTS	FLOCCULANT (FL OZ)	OVER THE LABEL MULTIPLIER	TREATMENT COST
18	**371**	**2**	**676**
Rows with a dose	Label dose x multiplier	Severity x adjustment above the label	Product + water to waste

Flocculant by month (fl oz)



Treatment cost by pool

