BOX USAGE REVIEW · DATA THROUGH 2026-11-10

Box usage by type — the last 30 days

Every packer, every container, Oct 12, 2026 – Nov 10, 2026. Sorted by total uses, with weekly, daily and restock-cycle rates.

The answer in one paragraph

2,991 packages were packed by **9 packers** in the 30 days to November 10, 2026. Soft mailers dominate: the top five containers are M Poly (399), L Poly (371), S Bubble (366), S Poly (233), M Bubble (214), together 53% of all packages. Poly, bubble, flat and record mailers are 61% of the volume; rigid boxes are 35%. The exception is the stated priority, **24x5x18**: it is out of stock and has only **1 recorded use** in the window. Its demand is censored by the stock-out, so plan from its stocked pace, not from the 1.

144 packages (4.8%) are recorded as **Miscellaneous** with dimensions that match no shelf box. They are excluded from the ranking below and listed separately so they do not hide real box use.

2,991	100	698	37	9	1
packages in 30 days	packages per day	packages per week	resolved container types	packers active	24x5x18 uses (out of stock)

144
unmatched Misc packages

> **Next action:** restock **24x5x18** on the historic stocked pace (about 14 units per 3-week cycle), and treat **10x8x6** as the immediate operational risk: it ran at 16 uses per week and was marked out of stock on Nov 10.

Counts are shipped packages (one box per package), voided labels excluded. Stock status is the current shelf status; usage is historical. The last week is partial.

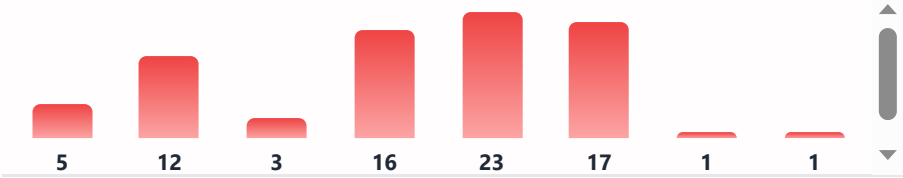
Priority box: 24x5x18 OUT OF STOCK RESTOCK SIGNAL: HIGH

1 use in 30 days. Last recorded use was Nov 06, 2026. The last sustained run was September (17 uses), ending Sep 30; October had 1 use. All-time recorded uses: 78.

The monthly history shows why the 30-day count is misleading: it was a steady 16–23-use-per-month box in July–September, then collapsed to 1 use in October and 1 in November. The November use was an exception, not a recovery. At the August–September pace (0.7 uses per day, about 4.6 per week), a 3-week restock cycle should plan for roughly **14–15 units**.

> **Do not read the 1 as low demand.** A box that is not on the shelf cannot be chosen. The 30-day count is a floor.

Monthly recorded uses



Source: `shipments`, all packers, voided labels excluded. Months with no bar had no recorded shipments of this box.

Every stock type, most used first

35 shelf types are ranked below, including zero-use and removed types. **Miscellaneous** is not a shelf SKU; its 144 unmatched packages are listed after the table. Rates: **per day** and **per week** are averages over 30 days; **per 21-day** is the same average scaled to the usual 3-week restock cycle. Week 5 is Nov 9–10 only (2 days), so it is not comparable to a full week.

#	Container	Stock	Dimensions	30-day	per day	per week	per 21-day	Share	Wk 1 Oct 12–Oct 18	Wk 2 Oct 19–Oct 25	Wk 3 Oct 26–Nov 1	Wk 4 Nov 2–Nov 8	Wk 5 Nov 9–Nov 10	Last used	Unit cost	30-day cost
1	**M Poly** Poly mailer	In stock	10 × 13 × 1	**399**	13.3	93.1	279	13.3%	53	110	127	78	31	Nov 10	$0.20	$79.80
2	**L Poly** Poly mailer	In stock	15 × 19 × 1	**371**	12.4	86.6	260	12.4%	86	88	74	102	21	Nov 10	$0.20	$74.20
3	**S Bubble** Bubble mailer	In stock	8 × 6 × 1	**366**	12.2	85.4	256	12.2%	108	64	78	77	39	Nov 10	$0.56	$204.96
4	**S Poly** Poly mailer	In stock	6 × 9 × 1	**233**	7.8	54.4	163	7.8%	98	53	38	29	15	Nov 10	$0.17	$39.61
5	**M Bubble** Bubble mailer	In stock	9 × 12 × 1	**214**	7.1	49.9	150	7.2%	53	43	53	53	12	Nov 10	$0.43	$92.02
6	**6x6x6** Rigid box	In stock	6 × 6 × 6	**151**	5.0	35.2	106	5.0%	36	29	36	36	14	Nov 10	$0.48	$72.48
7	**8x6x4** Rigid box	In stock	8 × 6 × 4	**124**	4.1	28.9	86.8	4.1%	18	29	36	30	11	Nov 10	$0.49	$60.76
8	**L Bubble** Bubble mailer	In stock	10 × 14 × 1	**112**	3.7	26.1	78.4	3.7%	28	34	25	20	5	Nov 10	$0.55	$61.60
9	**6x4x4** Rigid box	In stock	6 × 4 × 4	**104**	3.5	24.3	72.8	3.5%	19	22	14	28	21	Nov 10	$0.39	$40.56
10	**8x8x8** Rigid box	In stock	8 × 8 × 8	**92**	3.1	21.5	64.4	3.1%	21	25	14	20	12	Nov 10	$0.70	$64.40

#	Container	Stock	Dimensions	30-day	per day	per week	per 21-day	Share	Wk 1 Oct 12–Oct 18	Wk 2 Oct 19–Oct 25	Wk 3 Oct 26–Nov 1	Wk 4 Nov 2–Nov 8	Wk 5 Nov 9–Nov 10	Last used	Unit cost	30-day cost
11	**12x10x8** Rigid box	In stock	12 × 10 × 8	**91**	3.0	21.2	63.7	3.0%	11	21	23	26	10	Nov 10	$1.02	$92.82
12	**Record** Record mailer	In stock	12 × 12 × 1	**83**	2.8	19.4	58.1	2.8%	17	22	23	13	8	Nov 10	$0.75	$62.25
13	**10x8x6** Rigid box	Out of stock	10 × 8 × 6	**69**	2.3	16.1	48.3	2.3%	18	19	21	9	2	Nov 09	$0.74	$51.06
14	**10x10x10** Rigid box	In stock	10 × 10 × 10	**63**	2.1	14.7	44.1	2.1%	11	9	17	20	6	Nov 10	$0.89	$56.07
15	**12x12x4** Rigid box	In stock	12 × 12 × 4	**53**	1.8	12.4	37.1	1.8%	13	20	9	8	3	Nov 10	$1.00	$53.00
16	**9X6X3** Rigid box	In stock	9 × 6 × 3	**52**	1.7	12.1	36.4	1.7%	21	2	6	10	13	Nov 10	$0.56	$29.12
17	**13x13x5** Rigid box	In stock	13 × 13 × 5	**52**	1.7	12.1	36.4	1.7%	21	7	10	12	2	Nov 10	$1.69	$87.88
18	**12x8x4** Rigid box	In stock	12 × 8 × 4	**41**	1.4	9.6	28.7	1.4%	11	9	8	7	6	Nov 10	$1.11	$45.51
19	**12x4x4** Rigid box	In stock	12 × 4 × 4	**32**	1.1	7.5	22.4	1.1%	11	5	5	8	3	Nov 09	$0.65	$20.80
20	**15x15x6** Rigid box	In stock	15 × 15 × 6	**31**	1.0	7.2	21.7	1.0%	12	10	2	5	2	Nov 09	$2.07	$64.17
21	**12x12x12** Rigid box	In stock	12 × 12 × 12	**23**	0.8	5.4	16.1	0.8%	8	5	4	5	1	Nov 09	$1.16	$26.68
22	**16x12x4** Rigid box	Out of stock	16 × 12 × 4	**16**	0.5	3.7	11.2	0.5%	0	7	3	2	4	Nov 10	$1.51	$24.20
23	**Flat 9x12** Flat mailer	In stock	12 × 9 × 0.25	**15**	0.5	3.5	10.5	0.5%	4	5	5	1	0	Nov 08	$0.35	$5.25
24	**Flat 10x13** Flat mailer	In stock	13 × 10 × 0.5	**15**	0.5	3.5	10.5	0.5%	0	6	4	5	0	Nov 07	$0.40	$6.00
25	**9x8x6** Rigid box	In stock	9 × 8 × 6	**14**	0.5	3.3	9.8	0.5%	3	2	3	3	3	Nov 10	$1.04	$14.56
26	**11x7x7** Rigid box	In stock	11 × 7 × 7	**5**	0.2	1.2	3.5	0.2%	0	2	1	1	1	Nov 10	$1.11	$5.55
27	**24x20x6** Rigid box	In stock	24 × 20 × 6	**4**	0.1	0.9	2.8	0.1%	0	1	1	1	1	Nov 10	$3.95	$15.80
28	**14x12x3** Rigid box	In stock	14 × 12 × 3	**4**	0.1	0.9	2.8	0.1%	0	0	2	1	1	Nov 09	$1.32	$5.27
29	**Paperboard** Other	In stock	—	**2**	0.07	0.5	1.4	0.1%	0	1	0	1	0	Nov 05	—	—
30	**Letter #10** Flat mailer	In stock	9.5 × 4.13 × 0.25	**2**	0.07	0.5	1.4	0.1%	0	2	0	0	0	Oct 25	$0.04	$0.08
31	**24x5x18** PRIORITY Rigid box	Out of stock	24 × 5 × 18	**1**	0.03	0.2	0.7	0.0%	0	0	0	1	0	Nov 06	—	—

#	Container	Stock	Dimensions	30-day	per day	per week	per 21-day	Share	Wk 1 Oct 12–Oct 18	Wk 2 Oct 19–Oct 25	Wk 3 Oct 26–Nov 1	Wk 4 Nov 2–Nov 8	Wk 5 Nov 9–Nov 10	Last used	Unit cost	30-day cost
32	**37x5x5** Rigid box	Removed	37 × 5 × 5	**1**	0.03	0.2	0.7	0.0%	1	0	0	0	0	Oct 12	$1.42	$1.42
33	**20x20x20** Rigid box	In stock	20 × 20 × 20	**0**	0	0	0	0.0%	0	0	0	0	0	—	$3.71	$0.00
34	**36x5x30** Rigid box	In stock	36 × 5 × 30	**0**	0	0	0	0.0%	0	0	0	0	0	Aug 25	$4.54	$0.00
35	**26x5x5** Rigid box	Removed	26 × 5 × 5	**0**	0	0	0	0.0%	0	0	0	0	0	—	$1.05	$0.00

Unmatched Miscellaneous packages

144 packages had `BoxName = "Misc"` and dimensions that match no shelf box. These are custom or unpriced containers, not a normal restock SKU. The top dimension groups:

Recorded dimensions (L × W × H)	30-day	per week
11 × 9 × 17	**3**	0.7
11 × 11 × 16	**3**	0.7
5 × 5 × 25	**2**	0.5
4 × 4 × 9	**2**	0.5
11 × 9 × 16	**2**	0.5
11 × 11 × 15	**2**	0.5
11 × 11 × 17	**2**	0.5
13 × 9 × 14	**2**	0.5
5 × 5 × 19	**2**	0.5
12 × 8 × 17	**2**	0.5
17 × 13 × 14	**2**	0.5
13 × 9 × 11	**2**	0.5
All other dimension groups (117)	118	27.5

These rows are still counted in the station total and in the mailer / rigid / other percentages; they are only excluded from the shelf-box ranking.

Weekly pace

The station averaged 698 packages per week over the window. Week 5 is a partial week (two days) and is shown for completeness only.

Week	Dates	Days	Packages	Per day	Share	Largest container
Week 1	Oct 12 – Oct 18	7	**720**	102.9	24.1%	S Bubble (108)
Week 2	Oct 19 – Oct 25	7	**688**	98.3	23.0%	M Poly (110)
Week 3	Oct 26 – Nov 1	7	**684**	97.7	22.9%	M Poly (127)
Week 4	Nov 2 – Nov 8	7	**638**	91.1	21.3%	L Poly (102)
Week 5	Nov 9 – Nov 10	2	**261**	130.5	8.7%	S Bubble (39)

Out-of-stock boxes

Current shelf status only. A box can have high historic use and still be out today; 10x8x6 is the clear example.

Container	Dimensions	30-day	per week	per 21-day	Last used	Note
24x5x18	24 × 5 × 18	**1**	0.2	0.7	Nov 06, 2026	Priority. Censored demand: out since early Oct.
10x8x6	10 × 8 × 6	**69**	16.1	48.3	Nov 09, 2026	Fast mover; marked out 11/10, last used 11/09.
16x12x4	16 × 12 × 4	**16**	3.7	11.2	Nov 10, 2026	16 uses in 30 days; marked out 11/11.

All packers

Three packers produced 94% of the packages: Ramon (1189), JoeC (1010), Sean Davis (606). “Active days” counts days with at least one shipment, so it is a better pace measure than calendar days for part-time packers.

Packer	Packages	Share	Active days	Per active day	Top containers (count)	24x5x18
Ramon	**1,189**	39.8%	21	56.6	M Poly **232** · S Bubble **177** · M Bubble **127**	1
JoeC	**1,010**	33.8%	22	45.9	S Bubble **112** · L Poly **97** · Misc / unmatched **96**	—
Sean Davis	**606**	20.3%	8	75.8	L Poly **182** · S Bubble **55** · M Bubble **55**	—
Ryan G	**81**	2.7%	4	20.2	S Bubble **13** · Misc / unmatched **8** · 8x8x8 **7**	—
Max	**55**	1.8%	1	55.0	M Poly **15** · S Poly **10** · L Bubble **7**	—
Robert B	**29**	1.0%	1	29.0	M Poly **10** · S Poly **4** · 6x4x4 **4**	—
Robert	**17**	0.6%	10	1.7	8x6x4 **3** · S Bubble **2** · M Poly **2**	—
Daniel S	**2**	0.1%	2	1.0	L Bubble **1** · S Bubble **1**	—
Rylan	**2**	0.1%	2	1.0	8x8x8 **1** · 12x10x8 **1**	—

Packer × container heatmap

The 12 most-used containers, with an “Other” column so each packer row reconciles to their total. Darker means more packages.

Packer	M Poly	L Poly	S Bubble	S Poly	M Bubble	6x6x6	8x6x4	L Bubble	6x4x4	8x8x8	12x10x8	Record	Other	Total
Ramon	232	85	177	120	127	71	46	50	30	38	15	43	155	**1,189**
JoeC	84	97	112	49	24	50	66	26	57	25	42	20	358	**1,010**
Sean Davis	54	182	55	47	55	27	8	24	11	19	29	17	78	**606**
Ryan G	2	2	13	2	1	2		1	1	7	4		46	**81**
Max	15	2	5	10	6		1	7				2	7	**55**
Robert B	10	2	1	4	1			2	4	1			4	**29**
Robert	2	1	2	1		1	3	1	1	1		1	3	**17**
Daniel S			1					1					0	**2**
Rylan										1	1		0	**2**
All packers	**399**	**371**	**366**	**233**	**214**	**151**	**124**	**112**	**104**	**92**	**91**	**83**	**651**	**2,991**

Used but not in the current stock list

These box names appeared in shipments but are not in `box_inventory`. They may be legacy sizes, derived boxes, or a stock-list gap; check them before the next restock.

Container	Kind	30-day	per week	Last used	All-time
12x8x6	Rigid box	**4**	0.9	Nov 01	51

Container	Kind	30-day	per week	Last used	All-time
24x20x12	Rigid box	**4**	0.9	Nov 07	6
15x10x6	Rigid box	**2**	0.5	Oct 19	4
16x12x8	Rigid box	**1**	0.2	Nov 09	6
24x14x4	Rigid box	**1**	0.2	Oct 18	1

- **Source:** `logs/store.sqlite`, table `shipments` (the SearchShipHistory ground truth, one row per package, all packers).
- **Window:** Oct 12, 2026 – Nov 10, 2026 (30 calendar days). The newest data is November 10, 2026; today's shipments are not fully ingested, so the last two days are partial.
- **All users:** every `packed_by` value is included, not just JoeC. There were 9 packers with at least one package.
- **Voided labels:** 25 voided package rows in the window were excluded by joining to `shipped_orders.voided`.
- **Counts are packages, not items.** A multi-item order ships as one package and one box, so it counts once.
- **Stock status** comes from `box_inventory` as of 2026-11-10. It is a current snapshot; a box marked out today may have been used earlier in the window (10x8x6 is exactly that case).
- **Rates:** per day = 30-day count / 30; per week = per day × 7; per 21-day = per day × 21. These are planning averages, not a forecast.
- **Misc is resolved by dimensions.** The carrier often returns `BoxName = "Misc"` and puts the real box only in `BoxDims`. The report matches those rows against the shelf list's nominal and billed dimensions instead of dropping them into Misc. Billed matches are tried first because named shipments are usually recorded at nominal + 1 inch; the only collision, 13x13x5, is therefore assigned to 12x12x4. 144 packages still match no shelf box and are listed separately.
- **Station suggestions are not usage.** `packs.chosen_box` is the station's suggestion; a packer can override it. The shipment's `BoxDims` are the physical box, so this report does not use `chosen_box` for counts.
- **Boxes with no physical shipments.** 20x20x20 and 26x5x5 have no shipments in the store since April 2026, despite appearing in pack suggestions; 36x5x30 last shipped Aug 25. If any of these were used earlier, the store's history does not cover it.
- **Paperboard** is a custom material, not a normal box SKU.
- **Derived boxes:** no parenthesized derived names appeared in this window. If they do, the stock counter should decrement the base box twice (see `notes/2026-11-09-box-stock-decrementer.md`).
- **Missing history:** the store's shipments start in April 2026, so “all-time” means since then.

To regenerate:

```
python scripts/box_usage_report.py --days 30
```

The raw table is misleading if grouped by `box_name` alone, because the real box can be inside `BoxDims`:

```
SELECT box_name, box_l, box_w, box_h, COUNT(*) FROM shipments
WHERE shipped_at >= '10/12/2026' AND shipped_at <= '11/10/2026 23:59'
  AND box_name = 'Misc'
GROUP BY box_l, box_w, box_h ORDER BY 5 DESC;
```

Note: the date strings in `shipments` are stored as `MM/DD/YYYY h:mm AM/PM`, so the report parses them in Python rather than relying on string comparison.

Container	Stock	All-time	30-day	30-day share of all-time	Last used	Note
24x5x18	Out of stock	78	**1**	1.3%	Nov 06, 2026	Censored demand; out since early Oct.
10x8x6	Out of stock	576	**69**	12.0%	Nov 09, 2026	Fast mover; out 11/10.
16x12x4	Out of stock	16	**16**	100.0%	Nov 10, 2026	Dimension-resolved; out 11/11.
9x8x6	In stock	49	**14**	28.6%	Nov 10, 2026	Dimension-resolved; was hidden in Misc.
14x12x3	In stock	4	**4**	100.0%	Nov 09, 2026	Dimension-resolved; was hidden in Misc.
11x7x7	In stock	20	**5**	25.0%	Nov 10, 2026	Dimension-resolved; was hidden in Misc.
24x20x6	In stock	42	**4**	9.5%	Nov 10, 2026	Dimension-resolved; was hidden in Misc.
37x5x5	Removed	2	**1**	50.0%	Oct 12, 2026	Removed; one use on Oct 12.
36x5x30	In stock	5	**0**	0.0%	Aug 25, 2026	No use in the window; last shipped Aug 25.
20x20x20	In stock	0	**0**	0.0%	—	No physical shipments since Apr 2026; only pack suggestions.
26x5x5	Removed	0	**0**	0.0%	—	Removed; no physical shipments.

The dimension-resolved rows were the ones missing from the first report: their shipments carried `BoxName = "Misc"` and the real box was only in `BoxDims`.

Data through 2026-11-10; generated 2026-11-11 from `logs/store.sqlite`. Script: `scripts/box_usage_report.py`. Print in landscape; the table headers repeat on each page.