



BIRD SEED PACKAGING SPECIFICATIONS

Scope: Establish minimum packaging and palletization requirements for **packaged birdseed weighing up to 20 lbs.** and shipped to Lowe's.

Objective: To minimize exposed birdseed due to package damage inside store locations by enhancing the strength and durability of individually packaged and palletized birdseed.

Bag Material Specification (3 Alternatives):

- A. LLD Polypropylene with Nylon Laminate - (3.25 mil minimum).
- B. Low Density Polyethylene - (3.5 mil minimum).
- C. Woven Polypropylene with Polypropylene Laminate
 - Burst Strength: 350 PSI (minimum).
 - Break Strength: 120-lbs x 120-lbs (cross directional).
 - Bag Opening: Easy opening pull tape must not extend beyond the width of the bag.

Palletization Requirements:

A. Corrugated Tray Pack

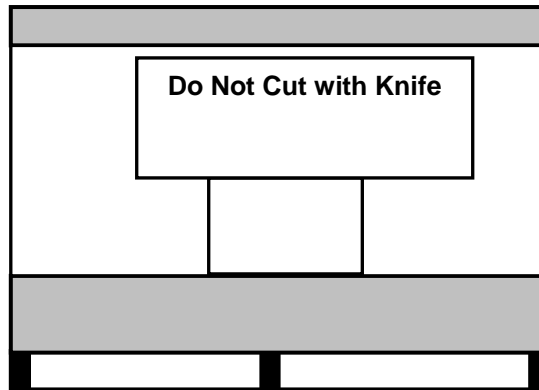
1. **Pallet** - Must not contain exposed nails or damaged boards.
2. **Corrugated Bottom Tray** - Minimum Height = 10 inches.
3. **Corrugated Top Tray** – Minimum Height = 4 ½ inches.
4. **Pallet Wrap - (Use option A or B below).**
 - A. **Clear Stretch Wrap Specifications:**

Test	80 Gauge
Tensile @ Yield MD / TD	1,600 PSI / 1,700 PSI
Tensile Strength MD / TD	6,900 PSI / 4,900 PSI
Elongation MD / TD	550% / 750%
Tear Test: Elmendorf MD / TD	140 G per MIL / 700 G per Mil
Puncture Test: Force Energy Energy / Thickness	9.5 LBS 20.0 IN-LBS 25.0 IN-LBS / Mil
Film Yield	37,500 SQ. IN/LB

Note: MD = Machine Direction, TD = Transverse Direction

5. **Pallet Label** – 11” x 8 ½” minimum (must include the Lowe’s item number and be affixed to the outside of the pallet load).
6. **Warning Labels** – “Do Not Cut with Knife” must be affixed to each panel of the pallet.

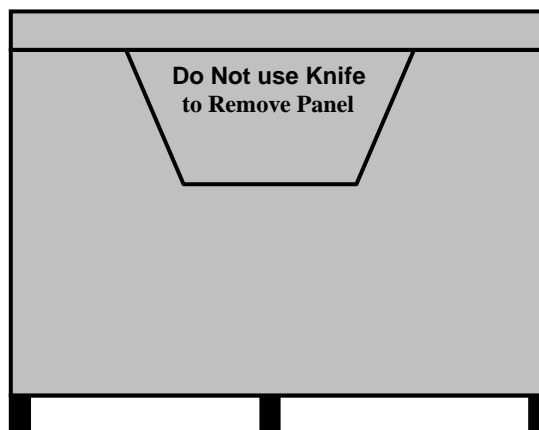
View of Palletized Birdseed



B. Corrugated Bulk Bin Pack

1. **Pallet** – Must not contain exposed nails or damaged boards.
2. **Corrugated Bulk Bin** – Must adequately contain and support product.
3. **Corrugated Top Tray** – Must be secured over top of bin.
4. **Warning Labels** – Removable die-cut access panels must be visibly labeled “**Do Not Cut with Knife**” to prevent product damages during store set-up.

View of Corrugated Bulk Bin Pallet Pack



Bird Seed Packaging Specification (25-lb. and 50-lb.)

Scope: Establish minimum packaging and palletization requirements for **25 and 50-lb packaged birdseed** shipped to Lowe's.

Objective: To minimize exposed birdseed due to package damage inside store locations by enhancing the strength and durability of individually packaged and palletized birdseed.

Bag Specification:

<ul style="list-style-type: none"> Bag Material: 	<p>Inner Layer: Woven Polypropylene.</p> <p>Outer Layer: Polypropylene (80 gauge).</p>
<ul style="list-style-type: none"> Burst Strength: 	350 PSI (minimum).
<ul style="list-style-type: none"> Break Strength: 	120 lbs. x 120 lbs. (cross directional).
<ul style="list-style-type: none"> Opening Requirements: 	Easy opening pull tape must not extend beyond the width of the bag.

Palletization Requirements:

- Pallet** - Must not contain exposed nails or damaged boards.
- Corrugated Bottom Tray** - Minimum Height = 10 inches.
- Corrugated Top Tray** – Minimum Height = 4 ½ inches.
- Clear Stretch Wrap. Specifications:**

Test	80 Gauge
Tensile @ Yield MD / TD	1,600 PSI / 1,700 PSI
Tensile Strength MD / TD	6,900 PSI / 4,900 PSI
Elongation MD / TD	550% / 750%
Tear Test: Elmendorf MD / TD	140 G per MIL / 700 G per Mil
Puncture Test: Force Energy Energy / Thickness	9.5 LBS 20.0 IN-LBS 25.0 IN-LBS / Mil
Film Yield	37,500 SQ. IN/LB

Note: MD = Machine Direction, TD = Transverse Direction

- Pallet Label** – 11" x 8 ½" minimum (must include the Lowe's item number and be affixed to the outside of the pallet load).

6. **Warning Labels** – “Do Not Cut with Knife” must be affixed to each panel of the pallet.

View of Palletized Birdseed

