## PURDUE EXTENSION

## Fold it Down!

Fred Whitford, Purdue Pesticide Programs, et al.

- WLL -

The collective WLL for all tiedowns must equal at least half the weight of the secured cargo.

Generally, the WLL is imprinted on a tag sewn near one end of the assembled web strap.

Working Unmarked Web

1 inch
$13 / 4$ inch
2 inches
3 inches 4 inches

1000 pounds 1750 pounds 2000 pounds 3000 pounds 4000 pounds
Chain ----------------- Working Load Limit (pounds)
Link Unmarked

| Diameter <br> (inches)$\quad$ or |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
| Grade 30 | Grade 40 | Grade 70 | Grade 80 | Grade 100 |


| $1 / 4$ | 1,300 | 2,600 | 3,150 | 3,500 | 4,300 |
| :---: | :---: | :---: | :---: | :---: | ---: |
| $5 / 16$ | 1,900 | 3,900 | 4,700 | 4,500 | 5,700 |
| $3 / 8$ | 2,650 | 5,400 | 6,600 | 7,100 | 8,800 |
| $7 / 16$ | 3,700 | 7,200 | 8,750 | $\ldots .$. not available..... |  |
| $1 / 2$ | 4,500 | 9,200 | 11,300 | 12,000 | 15,000 |
| $5 / 8$ | 6,900 | 13,000 | 15,800 | 18,100 | 22,600 |

## HOW MANV TIFDOWCSS

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- Use 1 tie-down for articles 5 feet long or less and 1100 pounds or less.
- Use 2 tie-downs for articles 5 feet long or less and more than 1100 pounds.
- Use 2 tie-downs for articles longer than 5 feet but less than or equal to 10 feet.
- Use 2 tie-downs for articles longer than 10 feet, and use 1 additional tie-down for each additional 10 feet (or fraction thereof) beyond the first 10 feet of length.
OOPOOBEOERONOE?

How do I know if a damaged web strap should be taken out of service? The decision is based on two criteria:

## Wieftofucboin

$13 / 4$ inch
2 inches
3 inches
4 inches

## SizoofDamase

Larger than $3 / 8$ inch
Larger than $3 / 8$ inch
Larger than $5 / 8$ inch
Larger than $3 / 4$ inch

