HOPSHOT™

INSTRUCTIONS:
Treat the HopShot™ as you would hops. One milliliter (1ml) of HopShot™ correlates to approximately 10IBUs in 5 gallons of 1.050 wort boiled for 60min. As wort increases in gravity, the isomerization decreases and length of boil increases hop utilization.

***Note: The HopShot™ may be used for both flavor and aroma additions of hops and should be treated as regular hops.

HOW TO CALCULATE:

ASSUME:
- +0.80 decreases hop utilization by ~10%
- +1.00 decreases hop utilization by ~20%
- +1.50 decreases hop utilization by ~30%
- 90 min boil increases IBU by 10% (decreases HopShot need by 10%)

EXAMPLE 1:

35 IBUs are needed for 60min boiling addition for FIVE (5) gallons of beer at 1.045.

35IBU/10IBU/ml = 3.5ml needed of HopShot™

EXAMPLE 2:

80 IBUs are needed for 60 min boiling addition for TEN (10) gallons of beer at 1.085.

80IBU/10IBU/ml = 8ml x 2 (for 10 gal) = 16ml + 10% = 17.6ml needed of HopShot™

EXAMPLE 3:

60 IBU are needed for a 90 min boiling addition for FIVE (5)gallons of beer at 1.150.

60IBU/10IBU/ml = 6ml + 30% (+1.150) - 10% (90min boil) = 7.2ml need of HopShot™

Volume of HopShot™ (ml)