

## Hop Extract

What is hop extract? CO2 hop resin extract, such as [Hop Effect](#), is a product developed from the extraction of the hop components that are important to brewers. These are the alpha-acids and essential oils that contribute to beer bitterness, aroma, head retention, and stability. This is different than using pellets or whole leaf hops, as hop resin extract eliminates a great deal of the inert materials that come with pellets and leaf hops, which means less trub in the bottom of the brew kettle.

[Hop Effect](#) hop extract is designed to be used during the boil. Because the alpha acid extraction is the same for hop resin extract as it is for whole hops and pellets, the hop additions can still be staggered throughout the boiling process.

Making the transition from whole hops or pellets to a hop resin extract such as [Hop Effect](#) can be done very easily. Hop extract will improve the utilization of the alpha acids and can affect the final aroma of the beer. If a change in the aroma is not desired, pellets or whole hops can be used for your aroma hops. But feel comfortable using hop resin extract for your bittering additions.

### **Benefits of Using CO2 Hop Resin Extract**

Hop extract is pure resin extract containing alpha acids, beta acids, and hop oils. [Hop Effect](#) hop extract is produced using a CO2 process which extracts the soft resins and essential oils that exist within hops. It is primarily used as a kettle ingredient to provide bitterness, however variety-specific flavor/aroma contributions can be expected when used for late kettle or whirlpool additions.

Hop Resin Extract Benefits:

- Increased final volume through reduced kettle trub
- Reduced hot-side brew kettle foam formation during the boil
- Bitterness, flavor, and aroma via late boil additions
- Variety-specific hop character and related notes in beer
- Reduced vegetal and polyphenol flavor contribution
- Increased alpha utilization approx. 5% of regular hops/pellets
- Excellent stability of alpha acids, beta acids, and hop oils
- Extended shelf life and reduced storage requirements