

# Loot Table Modification

```
onEvent('block.loot_tables', event => {
  event.addSimpleBlock('minecraft:dirt', 'minecraft:red_sand')
})
```

```
onEvent('block.loot_tables', event => {
  event.addSimpleBlock('minecraft:dirt') // To drop itself (fix broken blocks)
  event.addSimpleBlock(/minecraft:.*_ore/, 'minecraft:red_sand') // To drop a different item
})
```

```
onEvent('block.loot_tables', event => {
  event.addBlock('minecraft:dirt', table => { // Build loot table manually
    table.addPool(pool => {
      pool.rolls = 1 // fixed
      // pool.rolls = [4, 6] // or {min: 4, max: 6} // uniform
      // pool.rolls = {n: 4, p: 0.3} // binominal
      pool.survivesExplosion()
      pool.addItem('minecraft:dirt')
      pool.addItem('minecraft:dirt', 40) // 40 = weight
      pool.addItem('minecraft:dirt', 40, [4, 8]) // [4-8] = count modifier, uses same syntax as rolls
      // pool.addCondition({json condition, see vanilla wiki})
      // pool.addEntry({json entry, see vanilla wiki for non-items})
    })
  })
})
```

Example from Factorial: (adds 1-3 leaves dropped from all Leaves blocks, 4-8 logs from all log and wood blocks and 4-8 stone from Stone, Cobblestone, Andesite, Diorite and Granite)

```
onEvent('block.loot_tables', event => {
  event.addBlock(/minecraft:.*_leaves/, table => {
    table.addPool(pool => {
      pool.survivesExplosion()
      pool.addItem('factorial:leaf', 1, [1, 3])
    })
  })
})
```

```

event.addBlock(/minecraft:.*(log|wood)/, table => {
  table.addPool(pool => {
    pool.survivesExplosion()
    pool.addItem('factorial:wood', 1, [4, 8])
  })
})

event.addBlock([
  'minecraft:stone',
  'minecraft:cobblestone',
  'minecraft:andesite',
  'minecraft:diorite',
  'minecraft:granite'
], table => {
  table.addPool(pool => {
    pool.rolls = [4, 8] // Roll the pool instead of individual items
    pool.survivesExplosion()
    pool.addItem('factorial:stone', 1)
  })
})
})

```

You can also modify existing loot tables to add items to them:

```

onEvent('block.loot_tables', event => {
  // all dirt blocks have a 50% chance to drop an enchanted diamond sword named "test"
  event.modifyBlock(/^minecraft:.*dirt/, table => {
    table.addPool(pool => {
      pool.addItem('minecraft:diamond_sword').randomChance(0.5).enchantWithLevels(1,
true).name(Text.of('Test').blue())
    })
  })
})

```

Other loot table types work too:

```

onEvent('entity.loot_tables', event => {
  // Add a loot table for the zombie that will drop 5 of either carrot (25% chance) or apple (75% chance)
  // Because the zombie already has a loot table, this will override the current one

```

```

event.addEntity('minecraft:zombie', table => {
  table.addPool(pool => {
    pool.rolls = 5
    pool.addItem('minecraft:carrot', 1)
    pool.addItem('minecraft:apple', 3)
  })
})

event.modifyEntity('minecraft:pig', table => {
  table.addPool(pool => {
    // Modify pig loot table to *also* drop dirt on top of its regular drops
    pool.addItem('minecraft:dirt')
  })
})
})

```

Supported table types:

Event ID	Override method name	Modify method name
generic.loot_tables	addGeneric	modify
block.loot_tables	addBlock	modifyBlock
entity.loot_tables	addEntity	modifyEntity
gift.loot_tables	addGift	modify
fishing.loot_tables	addFishing	modify
chest.loot_tables	addChest	modify